THE CHEMIST AND DRUGGIST

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Established in [AUSTRALASIA, 1885.

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Subscription, 10s. per annum, including Diary. Free the World over. Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

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The Bacillus of Long Life and Good Health
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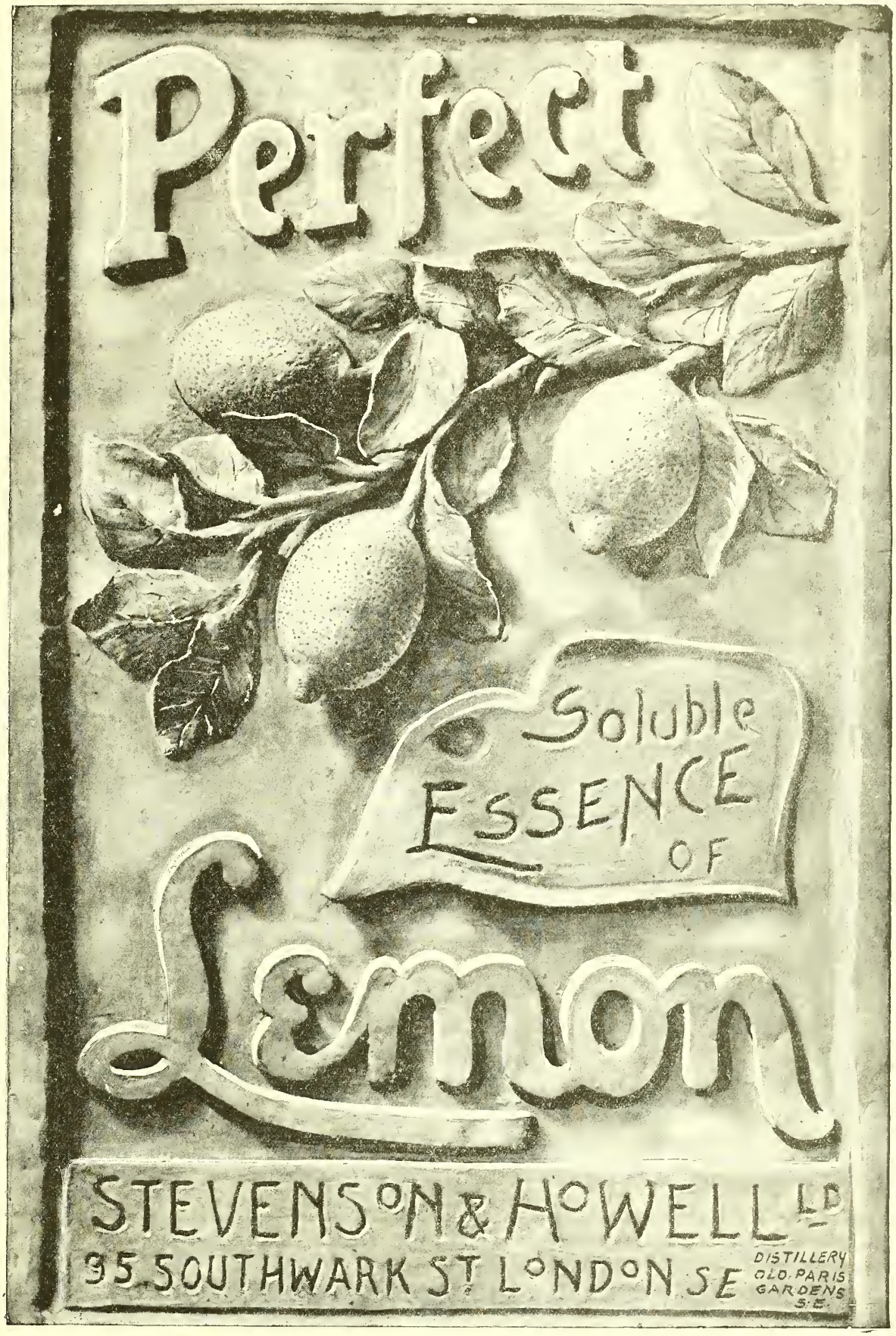
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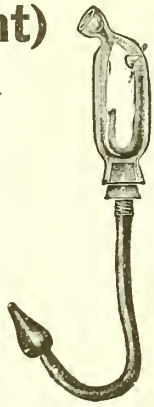

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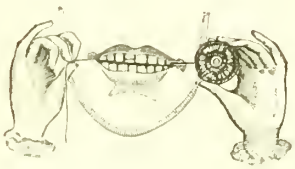
On neat metal bobbins for pocket.



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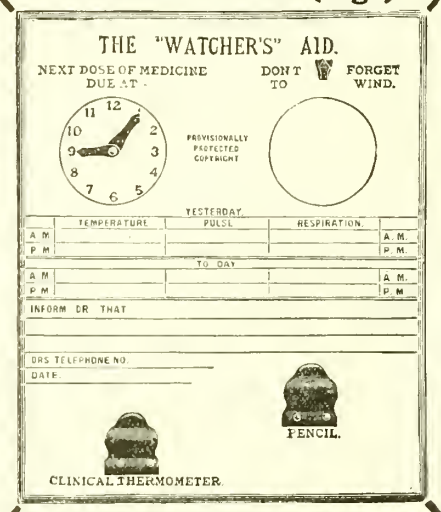

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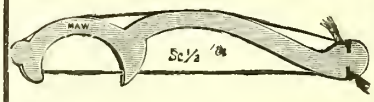

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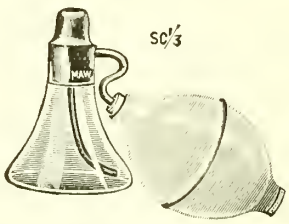

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, NOVEMBER 13, 1909

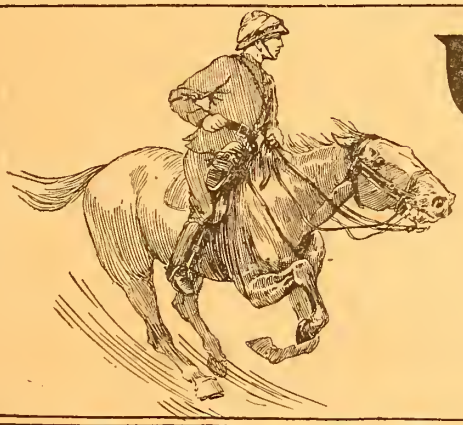
TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules.

Telephone: No. 852 Bank (two lines). Telegraphic Address: "Chemicus London."

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."



URGENT

BUSINESS REQUIREMENTS SHOULD BE ADVERTISED IN THE C.&D. SUPPLEMENT BECAUSE OF THE PROMPT RESULTS WHICH FOLLOW.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E. (within easy distance of City).—Established Business, Retail, Dispensing, Prescribing, and Photographic; returns (present rate) £1,200; *net profit* 25 *per cent.*; large shop, fitted in mahogany and plate glass; comfortable residence, garden; price £850.

2.—LONDON, S.E. (suburban).—Modern Pharmacy; position unique; returns £1,200 per annum; scope for development; *net profit* 25 *per cent.*; double-fronted shop, well fitted and fully stocked; price £900.

3.—HOME COUNTY.—Retail, Dispensing, Prescribing, Photographic, and Optical; all good middle-class business; returns £600, increasing; *net profit* £200; well-appointed shop; rent £45, held on lease; price £450.

4.—LONDON, E.—Ready-money Business, with P.O. attached; gross receipts £600; *net profit* (including salary from appointment) £350; intending investors with £400 at command will find this a sound investment.

5.—LONDON, N.W.—Good-class Business, Retail, Dispensing; returns (present rate) £900; *profits above the average*; attractive shop, with good house attached; 16 years' lease; price £750, or valuation; terms entertained.

6.—LONDON, N.W.—Retail and Dispensing Business; excellent opening for Optics and Photography; held by vendor 30 years; returns average £500 yearly; *net profit* £160; early sale desired; price £250, for which good value is offered.

7.—THAMES VALLEY.—Retail, Dispensing, and Photographic; returns £700; *profit* (*net*) £200; double-fronted, well-fitted shop; roomy house, side entrance; rent £65, held on lease; terms £50 and valuation of stock and fixtures.

8.—SUSSEX (Health Resort).—Immediate sale necessary; vendor going abroad; good-class Business; returns last year over £800; scope for increase; *net profit* £260; roomy shop, double fronted; corner position; large house; rent £65; price £550.

9.—BUCKS.—Old-established Business, Retail and Dispensing, with free Licence for the sale of Wines and Spirits; returns average between £1,700 and £1,800 yearly; *net profit* £371; vendor retiring; price about £1,000.

10.—WEST OF ENGLAND.—Vendor retiring; good-class Business, Retail and Dispensing; returns £1,400 per annum; scope for development; well-fitted shop, capitally situate in the centre of town; terms £50 and valuation of stock and fixtures.

11.—SOUTH DEVON.—General Retail Business, established many years; returns £500, which produce a net income of £180 yearly; good house; rent £60, sublet £21; price £250.

12.—MIDLANDS (Inland Watering-place).—Good-class Business, Retail, Dispensing, and Optical; returns £600, increasing; *net profit* £150; handsomely fitted shop; roomy house; price £350.

13.—GREAT WESTERN MAIN LINE.—Modern Pharmacy; established many years; returns average £2,500 per annum; *gross profit* 50 *per cent.*; well-appointed shop, situate in the centre of town; further details on application.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

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CHEMISTS' VALUERS AND TRANSFER AGENTS, STOCK-TAKING SPECIALISTS TO THE ENTIRE DRUG TRADE.

Telephone 160 Y.

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Valuations for Transfer, Probate, Partnership and Stock-taking. Businesses sold expeditiously and privately. Investigations for Purchaser thoroughly undertaken. Stocks sold by Tender. Balance Sheets and Trading Accounts prepared.

WANTED. Having been very successful during the past few months in the matter of Disposing of Businesses, we are at the present time in immediate want of several good genuine concerns, showing a nett profit of from £200 to £500 per annum. Clients waiting, with cash ready to invest, for businesses in the following localities: South Wales, West and South West of England, Midlands, and North-East Coast.
We can Dispose of Good Country Businesses **AT ONCE.**

Stock-taking. This feature is increasing in every Profession and Trade, and in no form is it more pronounced than in the Drug Trade. The infinite detail, both in taking and extending a Chemist's stock, has been a stumbling block. This no longer is so, as here we as Specialists step in. We take it carefully in detail, extend, and thoroughly check each item, due allowance being made for damaged or worthless stock. This work is carried out by one of the Principals without in any way disturbing or affecting the usual routine of the business. By having their stock taken periodically Vendors are in a position to ascertain their actual net profit, which, of course, is a great advantage for income tax and other purposes. The stock-books are also of immense value in obtaining full compensation in case of FIRE.

Write us for our special terms for Stock-taking: it is our aim to make them so reasonable that you cannot do without us. All matters are treated in absolute confidence.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—KENT (near Town).—Good-class Retail and Dispensing Business; 10,000 Prescriptions Dispensed yearly; returns about £1,800; net profit £400 to £500; most desirable district; good reasons for selling; price £1,250; references required.

2.—HOME COUNTY.—Good-class Retail, Dispensing, and Photographic Business; returns over £850; large house and garden; large, well-fitted shop, heavily stocked; price £525, or valuation of stock and fixtures.

3.—GLOUCS.—Good-class Retail, Prescribing, and Dispensing Business, in pleasant market town; returns £750 to £800, increasing; large shop; good position and heavily stocked; price £550.

4.—SURREY (near town).—Light Retail, Dispensing, and Prescribing; well situated; returns over £600; net profit £200 to £250; good house and shop; selling solely through illness; price £450.

5.—BUCKS.—Good-class Retail and Dispensing Business; in central position; returns about £700; large house and garden; attractive shop, heavily stocked; price £550.

6.—DEVON.—Good profitable Retail and Prescribing, with Dispensing; in splendid position; returns £500; net profit £190; fine corner shop and good house; price, valuation, about £250 to £300.

7.—MIDDLESEX.—Light Retail and Prescribing Business; returns £500; fast-growing district; best position; low rent; good house and long garden; price for early sale £225; worth attention.

8.—LONDON, S.W.—Modern Store Business; returns over £2,000; fine corner position; price £900 or valuation.

9.—LONDON, W.—Good-class Retail; returns £700 under manager; good position; price £400; half can remain.

10.—NORTH OF ENGLAND.—Good-class Cash Retail; in very best position of important town; returns nearly £1,900; handsome Pharmacy; stock and fixtures worth £1,100; price £1,100.

11.—LIVERPOOL.—Light Cash Retail Business; well established; returns about £1,000; net profit over £250; handsomely fitted shop, in unique position, fully stocked; valuation required; about £425.

12.—YORKSHIRE.—High-class Retail and Dispensing Business; charming locality; practically unopposed; returns average £650, increasing; modern house; attractive Pharmacy, well stocked; valuation required, *plus* £50 goodwill.

13—SUFFOLK. — Light Retail, Dispensing, and Prescribing Business, unopposed; returns average £800; good profits; scope for increase; very convenient house; well-fitted shop, heavily stocked; price £575, or offer.

14.—WESTERN COUNTY.—Very profitable Retail, Dispensing, and Prescribing, with own Specialities; in good-class district; returns £450; *net profit* exceeds £200; good house and shop; valuation only required or offer.

15.—DERBYSHIRE.—Unopposed Light Country Retail Business; returns over £600 under manager; plenty of scope; corner shop (lock up); rent only £15; price £220, less than valuation.

16.—HAMPSHIRE.—Light Family Retail and Dispensing Business; unopposed and easily worked; returns exceed £400; net profit £170; well-fitted shop; good stock; price £300.

17.—SOUTH KENSINGTON.—Good-class Retail and Dispensing; returns over £1,100; net profit £350; main road position; price £850.

18.—LONDON, N.—Light Suburban Retail; returns £950; net profit £345; good position; books properly kept; price £625 or offer.

STOCKTAKING VALUATIONS.

MESSRS. BERDOE & FISH make a special feature of, and special terms for, periodical valuations for stocktaking purposes. We value the stock in full detail without disturbing the routine of the business in the slightest degree; in fact, when we finish you do not know we have been. Read page 115 in *C. & D. Diary*, and then write us for our Special Terms. Correspondence cordially invited.

BUSINESSES WANTED.

MESSRS. BERDOE & FISH are in immediate want of sound concerns returning from £800 to £3,000, particularly in the Home Counties, West of England, Midlands, and Manchester districts; cash buyers waiting, quick sales guaranteed, without publicity. Terms sent on application.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO.
MESSRS. MEGGESON & CO.
MESSRS. BARCLAY & SON, LTD.

Telephone: No. 27 Victoria.

IN prosperous district, South London, and leading thoroughfare, an old-established good-class Cash Retail, returning £900 and showing absolute net profit, £300; large house; good garden; shop well fitted and fully stocked; rent £60; price £550 or valuation.

IN North-West London, owing to exceptional circumstances, a good Dispensing and Retail Business; very much neglected; now returning £15 week; lock-up shop; good double front; modern and handsome fittings; net rent £65; price £225, which is less than value of fittings only; in good hands £1,000 to £1,500 can be very quickly done.

CLOSE to Piccadilly; Prescribing and foreign trade; very profitable; net profit nearly £4 a week; price £150.

GOOD business and pleasure town on South Coast; old-established Family trade; returning £1,400; showing net profit £350; large shop in best central position; very large house; can easily let off £40 to £50; rent £110; price £1,000, or valuation terms can be arranged.

TEN miles out; opposite railway station; good old-established Family trade; returning about £1,000; good shop, well fitted, fully stocked; small house; rent £38; only one opponent; price, small goodwill and valuation.

PERIODICAL stocktaking without inconvenience to business on very moderate terms.

FREDK. WM. SMITH

LICENSED CHEMISTS' VALUER.

Valuations for transfer of business, Probate, &c. Businesses for disposal. Stocks and Fixtures purchased to any amount for cash. Stocktakings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made.

3 Belgrave Terrace, LEEDS

TELEPHONE 02949.

TOMTOM

Telegraphic Address.

THOS. TOMLINSON & SON,

Chemists' Valuers and Expert Stocktakers,

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

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3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

BIRMINGHAM SUBURB.—A genuine Light Retail Business for Sale in residential district; pleasantly situated; good convenient house; a real bargain. Full particulars on application. 22/35, Office of this Paper.

BURNLEY, LANCS.—For immediate Sale, good-class Retail Cash Drug-store; doing £9 to £10 weekly; good profits; very little opposition; satisfactory reason for disposal; low rent; price about £160, all at; a bargain for pushing man; no agents. Apply, "Cortex" (22/20), Office of this Paper.

CITY OF LONDON.—To ensure quick Sale will accept low price for Retail and Dispensing Business in main thoroughfare; genuine and increasing; handsomely fitted; moderate rent; worth attention. "Aspirin" (26/2), Office of this Paper.

HOME COUNTY.—Light Retail and Prescribing Business for Sale, immediately, through sudden breakdown in health; well-fitted, modern shop; good house; nice garden; no reasonable offer refused. Address, 24/3, Office of this Paper.

LANCASHIRE.—Very old-established Family Business; central position; returns £1,400-£1,500, chiefly booking; large lock-up shop with storerooms and warehouses; to be Sold at less than valuation of stock and fixtures; cash buyers only treated with. Apply, 281/34, Office of this Paper.

LANCASHIRE.—A genuine Retail Drug Business for Sale; been in present hands over 20 years; capable of great improvement; an excellent opportunity for energetic and up-to-date man; stock, fixtures, etc., low; good living house. Address, J. A. Barlow, 1 Accrington Road, Burnley.

LANCASHIRE.—Business in good locality; doing £11 weekly; no opposition; plenty of scope for increase; well fitted and well stocked; every opportunity to prove a genuine business; cash price £335. For further particulars apply, 21/25, Office of this Paper.

LONDON, N.W.—Business for Sale through ill-health; valuation of stock and fixtures will secure snug Prescribing Business, with splendid opening for Dentistry and Photography; patents almost *nil*; bargain. 22/39, Office of this Paper.

MIDLAND Manufacturing Town.—Old-established Mixed Light Retail and Prescribing, with Optics; few patents; best corner position in the town; splendid opening for Dentistry; up-to-date Chemist working on store methods would more than double the returns at once; profits £200; price, fair valuation (about £350). Apply, "Quicksale" (22/14), Office of this Paper.

MIDLANDS.—Chemist's Business for Disposal, returning about £1,400; continued ill-health cause of sale; could be considerably increased by constant personal supervision; good position; Prescribing, etc.; particulars only to cash purchasers; no agents; price about £700. Apply, 25/25, Office of this Paper.

MIDLANDS.—A good Prescribing Business; very few patents; doing £10 a week; could be easily doubled; good reasons for disposal. Apply, in first place, to 23/9, Office of this Paper.

MIDLANDS.—For Disposal, Chemist's Business; situated in main street of county town; Light Retail and Photographic trade; turnover £1,100; £300 down, balance to suit purchaser. Apply to "Delta" (23/17), Office of this Paper.

NEAR LEEDS.—The Stock and Fixtures of a small Pharmacy; returns £400; can be largely increased; valuation about £120. Newboult, Easley Road, Bradford.

SOUTH.—A very profitable Light Retail, Prescribing, and Photographic Business, on cash lines; lock-up shop; good position; rapidly increasing, and in hands of an energetic man could easily be doubled; present returns about £650; price, including several valuable Proprietaries, £350 cash. Apply, 23/18, Office of this Paper.

SOUTH COAST.—In a medium-sized town, good-class Retail and Dispensing Business, where there is plenty of scope for a smart man; present returns £600, capable of doing at least £1,000; modern shop; good house; main road; price £450, which is the value of the stock and fixtures. "T. J. M." (26/06), Office of this Paper.

THAMES VALLEY (half-hour of Waterloo).—Highly profitable Business; returns £700; no local opposition; established 8 years; commanding shop, centre of 30,000 population; price £350; will *bona-fide* inquirers kindly give references? Apply, 20/31, Office of this Paper.

SOUTH-EAST COAST.—Good-class Light Retail and Dispensing Business in excellent position of fashionable seaside resort; returns average £1,150, at good profits; large house, every modern convenience; handsome shop, well fitted and well stocked; price £1,000; only cash buyers entertained; opportunity seldom offered. Address, "F. F." (26/6), Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

YORKSHIRE.—Business for Disposal in good suburb of city; returns £850; Wines and Spirits (about £240); light trade; excellent house, with large garden, greenhouse, etc.; rent £35; price £300, or valuation and small goodwill. Apply, Hirst, Brooke, & Hirst, Ltd., Leeds.

YORKS, WEST RIDING.—Mixed Cash Retail; in thickly-populated district; no near opposition; grand opportunity for energetic man; vendor has other business; low rent; on lease; lock-up shop; good houses in district; good opening for Dental work; small Wholesale included if desired. Fullest particulars on application, "T." (22/29), Office of this Paper.

A CHANCE of a lifetime; proprietor of a wonderful Patent Medicine sold by leading Wholesale and Retail Chemists, also owner of well-stocked Chemist's shop, owing to ill-health of wife will sell formula, all rights, etc., shop inclusive, for £800; principals only. 12/21, Office of this Paper.

CHEMIST Business for Sale; crowded district; large Prescribing trade; profitable Retail; profits about £200; low rent; takings could be increased by energetic man; if necessary part payment and remainder by instalments; same hands nearly 20 years. Write, 26/21, Office of this Paper.

DRUG-STORES: main thoroughfare; present hands 16 years; for Disposal; suit qualified man; no agents; full Wine-licence. For full particulars, "E. S.," 2 Highfield Crescent, Lower Wortley, Leeds.

FOR immediate Disposal, in working-class locality, 12 miles out; mostly penny and Prescribing; returns under unqualified lady average £7 weekly; well-stocked shop, 6 rooms, stable, etc.; rent £30; splendid opening for Extractor; owner engaged in Wholesale. Apply, "Shall" (20/8), Office of this Paper.

GOING ABROAD.—Good-class Business in main street, healthy London suburb; established 60 years; changed hands once in 40 years; no Stores near; double-fronted shop, well stocked; 6 roomed house; good garden; rent £36; long lease; returns £600, increasing; net profit £190; books kept; annual Prescriptions, 1,000, besides doctors' Dispensing; good prices; few Patents; busy season just commencing; exceptional opportunity; price £400; no agents. "Mercury" (23/16), Office of this Paper.

JUST what ambitious man with £100 determined to face success wants; established main road; unopposed shopping position, N.W.; equals best anywhere; dense population, many first class; aged vendor's declining health demands retirement; own premises; contemplated alterations will considerably increase business; working partner entertained; minimum income guaranteed; profits shared. 26/11, Office of this Paper.

MUST BE SOLD.—Light Retail Shipping and Prescribing Business in a South Coast town; returns about £420; very profitable; scope for increase; good house. Apply, "Acetyl" (20/34), Office of this Paper.

OLD-ESTABLISHED Drug-stores in thickly populated, rough-and-ready water-side district, London, E.; very easily managed; returns £7 to £8 10s. weekly, mostly penny trade; some Prescribing, Optics, few Patents; could be increased with own Specialities; double-fronted corner shop, with small, comfortable house; open to every investigation. Apply, 26/8, Office of this Paper.

RARE opportunity to acquire genuine good-class Retail in main road; North London; unopposed, with scope for development; much neglected; owner, engaged in other duties, wishes to dispose quickly; every investigation courted; lock-up shop at low rent, inclusive, with option of house; nicely fitted. Further particulars to *bona-fide* applicants from "Chemicus" (25/39), Office of this Paper.

RETAIL and Prescribing Business in important seaport on South Coast; returns £360, increasing; satisfactory reasons for disposal; price, valuation of stock and fixtures, about £140. Apply, 23/5, Office of this Paper.

RETAIL, Prescribing, and Dispensing Business; situated centre of popular South East seaside town; established 10 years; moderate rent; good opening for Photography and Optics; price £300; practically value of stock and fixtures; only wants seeing; must sell, family reasons. "Seaside" (23/38), Office of this Paper.

SMALL Pharmacy for Disposal (through an accident to proprietor) in pleasant Kentish village, surrounded by over 4,000 population; nearest Chemist three miles; returns average £217; good prices; convenient shop, amply stocked; good house and garden; rent £19 19s.; price £120. Address, "Pharmacist," 46 Buckingham Road, Brighton.

SMART Chemist's Business for Sale, unopposed, in thickly populated district, St. Helens; convenient house; very low rent on lease; patents few; profits good; scope for increase; shop is well fitted and well stocked; would suit qualified or unqualified; first reasonable offer accepted. Apply, 22/31, Office of this Paper.

THIS is an opportunity worth seizing; Branch Business in South Midlands; returns can be verified; last year £500 done without any pushing; good house; no opposition; vendor concentrating efforts other ways; not a cutting shop; £300; part can remain by arrangement. "W.," 28 Alcester Road, Birmingham.

TO CHEMISTS.—For immediate Disposal, Business situate in the City; lease having about three years unexpired at a rent of £112 2s. per annum; very extensive premises, consisting of double-fronted shop, large cellars, and 8 living rooms; turnover about £1,000 per annum; stock £300 at cost; the business is being carried on under a deed of assignment for the benefit of creditors, and as the Committee of Inspection are anxious to dispose of the matter at the earliest possible moment, they are prepared to accept the very low sum of £350 for the lease and goodwill, stock, fixtures, fittings, and utensils, or, in the alternative, to sell the whole concern for the valuation price of the stock, fixtures, and fittings. Further particulars of Francis, Nicholls, White & Co., Chartered Accountants, 14 Old Jewry Chambers, E.C.

WHARFEDALE.—Country Business; could be greatly improved; same hands 25 years; owner retiring; good house, garden; no opposition. Fredk. Wm. Smith, 3 Belgrave Terrace, Leeds.

£90.—Drug-stores for Sale, proprietor going abroad; double-fronted shop, well stocked; plenty of Prescribing; few Patents; thickly populated neighbourhood; big factories near. Apply, Davey's Cash Drug-stores, 96 Kingsland Road, St. Philip's, Bristol.

TENDERS.

GENTLEMAN about to open Dental and Drug Business invites Tenders for Drugs, Sundries, etc., Price-lists, Samples, Fittings, Agencies, and anything useful; Advertising matter. "Dentist," 145 Boundary Road, Plaistow, E.

LONDON TEMPERANCE HOSPITAL, HAMPSTEAD ROAD, N.W.

THE Board of Management invite TENDERS for the supply of Drugs and Chemicals to this Hospital for 12 months from January 1, 1910.

Forms of Tender and all particulars may be obtained from the Dispenser. The Board does not undertake to accept the lowest or any other tender.

Tenders should be returned on or before Friday, November 26, 1909, sealed and addressed to

A. W. BODGER, Secretary.

KENT AND CANTERBURY HOSPITAL, CANTERBURY.

TO DRUGGISTS AND OTHERS.

TENDERS are invited for supplies of DRUGS and DRESSINGS to this Hospital for the year 1910.

Forms of Tender may be obtained of the Secretary, and the tenders should be marked outside "Tender," and delivered at this Hospital on or before Tuesday, 7th December.

The Board do not bind themselves to accept the lowest or any tender.

A. J. LANCASTER, Secretary.

November 9, 1909.

AGENCIES.

AGENT, with 18 years' Wholesale and Retail connection in principal English Counties for Eucalyptus Oil, all species and grades, having recently voluntarily resigned an Agency, is open to Represent first-class Importers or Brokers able to contract for one to five ton lots, etc. Address, R. Cooper, 3 Grove Avenue, Higher Broughton, Manchester.

SWEDEN.

REQUIRED, a clever Agent in London by an old-established WHOLESALE DRUGGIST'S for Purchase and Sale.

Must be well established and with good connections.

Reply to "G. B. 3," Gumaelii Annonsbyrå, Gothenburg, Sweden.

PARTNERSHIPS.

AUSTRALIAN firm has an opening for a gentleman with £500 to £1,000; fine climate; good position offered to one conversant with home markets and can buy well. Apply, by letter, "Australia," c/o Schutze & Co., Black Bull Works, Caledonian Market, London, N.

ADVERTISER requires Partnership in sound Manufacturing Chemist's and Wholesale Druggist's business, to which he could introduce small capital and large and profitable connection for well-known Specialities; must bear strictest investigation. State full particulars, in confidence, enclosing business card, to 22/7, Office of this Paper.

BUSINESSES WANTED.

ADVERTISER requires a Business, at once (country preferred), showing a net profit of not less than £250 per annum. Send full particulars to "B. H.," Woodcote, Limes Road, Tettenhall, Wolverhampton.

ADVERTISER requires small Business in country town; cash up to £225; neglected business not objected to, provided there is scope for substantial increase; must bear strict investigation. "Rio" (24/4), Office of this Paper.

WANTED, Yorkshire preferred or Midland Counties, Country Business, doing from £600 to £1,000; state lowest price; must have comfortable house. Apply, 24/7, Office of this Paper.

WANTED, in or near London, a really genuine Retail Business, or Partnership or good position in some Chemist's Company where one could qualify as Director would be entertained; only genuine concerns making good incomes and which will stand every investigation need apply to this; thoroughly experienced in all branches; references required and given. Reply, 23/25, Office of this Paper.

FOR SALE.

FOR Sale, the whole of the Fixtures and Trade Utensils, comprising Wall Fixtures, Counters, Wall-cases, Counter-cases, Dispensing-scales, Window-fittings, Shop-rounds, and Jars, etc. Apply, J. & J. Thompson & Co., Ltd., 192 Manchester Street, Oldham.

28 DOZ. assorted Stock Bottles in good condition; many nearly new and gold labels. "D." (13/6), Office of this Paper.

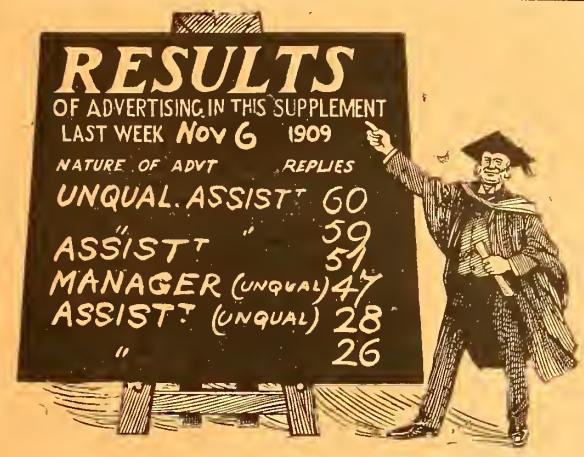
APPRENTICESHIPS.

APPRENTICE.—Vacancy for well-educated youth; every home comfort and thorough personal instruction; small premium will be accepted for suitable applicant. H. J. Brough, Pharmaceutical Chemist, Netherwood Road, West Kensington, London, W.

PHARMACEUTICAL Chemist wishes to hear of high-class firm open to receive his brother (17) as Apprentice; has passed Preliminary equivalent; must be near schools where suitable classes given; London or large provincial town. "Chemist," 7A Wyndham Place, W.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETAIL.

BIRMINGHAM.—Qualified Counterman and unqualified Junior for quick Counter trade; must be gentlemanly, energetic, and capable; good Salesmen and Dispensers; outdoors. Full particulars of age, height, experience, and salary required, with photo, to Hedges & Son, Pharmacists, Birmingham.

BOMBAY.—Qualified (Minor); age about 26, with good experience; passage paid P. and O. out and home; 3 years' agreement. Apply, "R. L.," c/o S. Maw Son & Sons, 7 to 12 Aldersgate Street, E.C.

REPLIES TO ADVERTISEMENTS may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that *the Advertiser* pays postal charges in such cases, and perhaps this reminder will obviate the necessity of the constant return of remittances which forgetfulness of this fact entails.

DERBYSHIRE.—Qualified Chemist required for Colliery district; age about 35 years; Mixed business; two branches; applications must be accompanied by photograph, details of experience, and undeniable references; state salary required; reasonable hours; no Sunday or night duty; one half-holiday weekly. Apply, 18/16, Office of this Paper.

DEVON COUNTY ASYLUM, Exminster.—Male Dispenser-Bookkeeper, qualified, required; salary £52 per annum (indoors); age not to exceed 40. Apply to the Medical Superintendent, Devon County Asylum, Exminster.

DEVONSHIRE.—Assistant, about 30, single, steady (unqualified suitable), for long-established wharfside business (owner now doctor); Prescribing, little Dentistry; penny trade; sole charge; 3 years' agreement (optional); fidelity guarantee preferred; two-thirds net profit, or small salary, or salary and keep; closed Sundays and half-day. Photograph, references, 22/16, Office of this Paper.

HASTINGS.—Assistant, 23 or 24, for Dispensing business; indoors. State height, salary required, if an abstainer, enclose photo and give references, Bolshaw, White Rock, Hastings.

JAPAN.—Qualified Assistant; age 23 to 26; one with knowledge of French or German preferred; passage, second class, paid out and home; 5 years' agreement. Apply, with photo and copies of testimonials, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

LINCOLN.—Wanted, in middle of December, a Junior Assistant in good-class business. Usual particulars to F. P. Watson, Pharmaceutical Chemist, 6 and 7 Bailgate, Lincoln.

LONDON, S.E.—Unqualified; Wholesale and Retail, Mixed business; Midlands; outdoors; short hours, half-day weekly, no Sunday duty. State age, salary, and experience, photo if possible, to Wigginton, Chemist, Kennington Cross, S.E.

SITUATIONS OPEN *(continued).*

LONDON, W.—Energetic and competent indoor Assistant by about November 22; age about 24; knowledge of Photography essential; abstainer preferred; half-day off weekly. Full particulars and salary required to Barton Dell, Cash Pharmacist and Dentist, 148 King Street, Hammersmith, W.

LONDON, N.—Qualified Manager, about 30, good Counterman, for quick Store trade; hours 8.30-10 P.M.; Sunday duty light; one whole day off weekly. Long, 128 Upper Clapton Road, N.E.

LONDON Suburb.—Junior and middle-aged Assistants for Cash trade must be steady and reliable workers, with recent references that will bear investigation. In reply please state age, salary required, with photo, which will be returned, to 25/12, Office of this Paper.

LONDON.—Managing, married, qualified Assistant required, by the end of the year, for first-class Dispensing business; rooms on the premises provided. Apply, stating age, experience, and salary required, to "P. C." (23/35), Office of this Paper.

LONDON Suburb.—Qualified Branch Manager for good-class Retail, Dispensing, and Photographic; excellent residential accommodation; close at 2 on Thursdays; Sunday duty two hours fortnightly. Give full particulars, age, height, experience, salary expected, copies of references and photo, if possible, to Matthews (Cash Chemists), Ltd., High Road, Leyton, Essex.

LONDON, W.—Qualified Assistant required. Apply, by letter only in first instance, to Wallas & Co., 36 New Cavendish Street, W.

LONDON, W.—Required, immediately, as first Counterman in a high-class business, a smart, active, and gentlemanly Assistant; one having London Store experience preferred; outdoors; no Sunday duty. Apply, S. F. Goss, Ltd., 134 Regent Street, W.

MAIDSTONE.—Vacancy for first-class Assistant in cash trade; about 23; good experience and good knowledge of the business essentials; age about 23; close Wednesdays at 1 and no Sunday work. State firms been with, salary required, and references, to Payne, Oaklea, Maidstone.

MALVERN.—Qualified Assistant, accustomed to best-class Retail and Dispensing. Please state full particulars as to previous experience, salary required (indoors), etc., to A. Mander, the Belle Vue Pharmacy, Malvern.

MENTONE (South France).—Qualified Assistant, at once, for season; young, speaking French, and good Dispenser. Apply, "R. L.," S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

SOUTHEND-ON-SEA.—Assistant wanted; one with a good knowledge of the Photographic business; indoors. Apply, stating age and salary required, to G. R. Dawson, 42 High Street, Southend-on-Sea

ASSISTANT.—Required, a female Assistant; age 20 to 25; must hold Apothecaries' Hall qualification to Dispense. Apply, giving fullest particulars and salary, to "C. D." (237/30), Office of this Paper.

DISPENSER wanted for medical practice (outdoors), London; salary £50 to £60 per annum, payable weekly; morning and evening hours; Sundays evenings only; able to keep books. 26/7, Office of this Paper.

ELDERLY Chemist required; provincial town; no responsibility; duties to hang certificate in shop; enter shop to witness sale of Poisons and at meal times; salary £1 per week, house, and gas; also studying Assistant; 20 hours a week for study in addition to half-holiday. 24/8, Office of this Paper.

FOR Medical man in North London Suburb a lady Dispenser willing to assist in household; salary £40 (indoors). Apply, 26/5, Office of this Paper.

JUNIOR Assistant required for a good-class business in a large town, Midlands; outdoors; no Sunday duty. Please apply, giving full particulars as to experience, etc., 22/33, Office of this Paper.

MANAGER wanted for a business in country town; salary £3 per week (outdoors); qualified; small commission on profits. Apply, by letter, with references and experience, "T.," c/o Knowles & Phillips, 47 Minories, E.C.

QUALIFIED Assistant, not over 34, able to Manage small Branch; rather long hours. Please give full particulars and salary required to F. G. Turner, 67 Fernhead Road, W.

QUALIFIED Assistant required, age about 26, with knowledge of Photography and Prescribing; short hours and no Sunday duty. Send all particulars in first letter, with photograph (to be returned), to Lansdale, Queen Square, High Wycombe.

UNQUALIFIED Assistant; smart and reliable; character must bear full investigation; full particulars first letter will oblige, re height, experience, and salary; Midland Family trade; manufacturing town; applicants not answered in four days respectfully declined. "Cadum" (22/3), Office of this Paper.

WANTED, steady, reliable Assistant; one seeking a permanency preferred. Full particulars and photo to 18/17, Office of this Paper.

WANTED, smart Junior; good Counterman; capable of taking charge when necessary; interview essential; outdoors. State full particulars as to age, height, salary, etc., to "Ipse" (20/5), Office of this Paper.

WANTED, for a good London business, a qualified Assistant; under 35 years of age; must have good recent references for sobriety and trustworthiness, be a good Salesman, and capable of taking charge in the absence of the principal. Full particulars, letters only, to "Pharmacist," Barron, Harveys, Graham Street, E.C.

WANTED, at once, smart young qualified man; good knowledge of Opties essential, to manage Branch in East London; married preferred; good and progressive salary to steady, smart man; Store trade; only those with undeniable references need apply. Apply, 25/38, Office of this Paper.

WHOLESALE.

CAPSULE Maker, accustomed to the filling of hand-made flexible Medicinal Capsules, wanted by a South-Coast firm of Wholesale Druggists. Apply, "Sandalwood" (237/18), Office of this Paper.

CHEMIST, qualified, preferred, for small Wholesale in the provinces; should thoroughly understand the Preparation of Galenicals and be a capable Manager; one desiring a permanency preferred. Please give full particulars and salary required, 21/32, Office of this Paper.

CLERK.—Invoice Clerk required for the town and country desk of a London Wholesale Manufacturing Drug-house; only those with a knowledge of the trade need apply, stating salary required and previous experience, to C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C.

MANAGER required for Dry Department of Wholesale house; must be qualified. Apply, stating age, experience, and salary required, "D. R." (236/32), Office of this Paper.

REPRESENTATIVES wanted, commission only, with reliable connection amongst Chemists, Surgical-instrument Makers, Hospitals, in North of England, Scotland, Ireland, West of England and Wales, for saleable Side-lines; good commission; small samples. Address, with full particulars of ground covered, 23/36, Office of this Paper.

SMART Traveller wanted calling upon Chemists in London; only applicants with line connection entertained; salary and commission; good opportunity for persevering, energetic man. Apply by letter, with fullest particulars, to F. W. Hampshire & Co., 21 Cullum Street, E.C.

SWEDE required as Traveller in Sweden for firm of Manufacturing Chemists; must be Pharmacist. Apply, stating age, experience, and salary expected to 236/25, Office of this Paper.

TRAVELLER required for London (South) and district by well-known Wholesale Druggists; good salary, commission, and expenses will be paid to first-class man with connection. Full particulars as to experience, salary, etc. (which will be treated in strict confidence), must be given in applying to "Z. R. 615," c/o Messrs. Deacon & Co., Leadenhall Street, E.C.

TRAVELLER wanted in the Drysaltery, Oils and Colours, also Packed Goods and Proprietaries; one who can introduce business and that knows the Midlands; splendid opening for suitable man; also one preferred who can invest at least £200; old-established business and splendid opportunities. Apply, giving full particulars and references in first letter, 237/11, Office of this Paper.

WANTED, by a large Manufacturing firm, a Pharmaceutical Chemist for the Propaganda Department; knowledge of French, Italian, and particularly Spanish; German preferred. 231/69, Office of this Paper.

WANTED, a young, energetic Traveller for the Midland Counties and Lancashire; one with a connection preferred. State previous experience, salary required, and full particulars, enclosing photograph, to "Sales," Arthur H. Cox & Co., Ltd., Brighton.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

[HOME.]

RETAIL.

JUNIOR; excellent references; tall; smart Counterman; Dispensing, Photography; Manchester district preferred, but not essential. Bowker, The Square, Newport, Salop.

ASSISTANT; abstainer; 32; willing and reliable. "J. K.," 80 Northview Road, Hornsey, N.

MANAGER or Senior; 41; Minor; 30 years' experience. "Phenazone," 64 Bute Street, Treorchy.

JUNIOR; permanency or part-time; good experience. "Aldehyde," 20/34 Grosvenor Terrace, Camberwell.

LADY Dispenser; qualified; experienced; can keep books. McGregor, College of Pharmacy, Leeds.

QUALIFIED, elderly Pharmacist desires engagement; active. "Pharmacist," 96 Park Road, Crouch End.

EVENINGS; competent Dispenser; S.W. district preferred. Apply, "Statim," 1 Atherfold Road, S.W.

QUALIFIED; disengaged; 30; Manchester or Liverpool preferred; references, etc. "Rhei," 32 Albion Road, Rochdale.

LOCUM, Manager, or Senior; disengaged; abstainer; 36; excellent references. "Chemist," 2 Warwick Mansions, Putney.

UNQUALIFIED, married (38), seeks immediate engagement, any capacity. "V.," 77 Bennerley Road, Clapham Junction.

PART-TIME; London; 3 days a week (alternate); qualified; age 23. "W. A.," c/o Clarkson & Co., 109 Victoria Street, S.W.

QUALIFIED Manager or Assistant; good all-round experience; single; disengaged. "Aspirin" (20/15), Office of this Paper.

ASSISTANT; 24; unqualified; Harrogate experience; good Dispenser; highest references. Sanderson, Sansbury, Bentham.

ASSISTANT; 22; tall; 6½ years' experience, Dispensing, Photography, and Retail; abstainer; disengaged. 19/39, Office of this Paper.

MANAGER or Senior; qualified; 28; experienced; Photography, Optics, Prescribing; outdoors. Bird, Dunleath, Manor Road, Romford.

QUALIFIED; disengaged; 36; excellent references for managing in London, seaside, and country; good Dispensing experience; Photographic. Partridge, 21 College Road, Reading.

WANTED, berth in good Dispensing business; good experience and references; age 22½; disengaged December 5. Apply, with particulars, "A. W. E." (18/34), Office of this Paper.

GERMAN lady Assistant, unqualified, speaking English, French, for Drugs or Dispensing in London; willing; moderate salary; disengaged December 27. "H. W.," Post Office, Folkestone.

UNQUALIFIED, smart, useful Assistant; disengaged; aged 30; Dispensing, Counter, Stock, Photography; window-dressing; outdoors; best references. "W. S.," 30 Bower Street, Bedford.

MANAGER; Senior or Locum; qualified; M.P.S.; disengaged; West End, City, South Coast, and provincial experience; 28; abstainer; Photography. R. Waghorne, jun., Eden Bridge, Kent.

COMPETENT, energetic; 32; unqualified; 16 years' experience; permanency required (outdoors); Wholesale or Retail; Photography, Extractions. "Statim," 8 Newlands Terrace, Queen's Road, Battersea.

DISPENSING or Retail; reliable Dispenser; energetic Counterman; thoroughly trustworthy; capable charge; unqualified; very moderate terms; gentlemanly, and excellent references. "Resourceful," 275 Waterloo Road, S.E.

JUNIOR; 21; tall; nearly 4 years' experience. Ferris, 35 Ulysses Road, N.W.

JUNIOR or Improver; 18; smart; good references. James, 9 Beach Road, Littlehampton.

UNQUALIFIED; 24; 8 years' experience; good references. "W.," 336 Bolton Road, Pendlebury.

ASSISTANT; 30; tall; Major; thorough all-round experience. Oliver, The Square, Holsworthy.

QUALIFIED; 34; Manager, Senior, or Locum; disengaged. "F. P.," 65 Castle Street, Luton.

QUALIFIED; 25; Store and General experience; Photography. "Pharmacist," 118 Todmorden Road, Burnley.

QUALIFIED; 30; disengaged; good experience and references. "Statim," 11 Weaste Road, Weaste, Manchester.

ASSISTANT or Locum; qualified; moderate salary. Southwell, Marlborough Drug-stores, Hightown, Manchester

DISPENSER, Surgery Attendant seeks re-engagement; experienced; Honours. 88 St. Paul's Road. Birmingham.

LOCUM, Branch Manager, or Assistant; disengaged; qualified; best references. Follows, M.P.S., Tunstall, Staffs.

QUALIFIED; 25; Manage or Assist; Dispensing, Photography, Extractor; disengaged. Kingston, Chemist, Bath.

LOCUM or permanency; disengaged; town or country; highest references. "Chemist," 33 Seaford Road, West Ealing.

LOCUM open for engagements between now and Christmas; qualified. A. P. Ledsham, 1 Linden Avenue, Whitchurch, Salop.

DISENGAGED; unqualified; varied experience; good references; 34. "Competent," 54 Darnell Street, Newcastle-on-Tyne.

QUALIFIED Manager or Assistant; good-class business; thoroughly reliable; 31; disengaged. Manning, Fairford, Glos.

EXPERIENCED Manager has two days a week disengaged; would assist or take charge. "G.," 13 Ingersoll Road, W. Telephone 3598 Kensington.

QUALIFIED; 35; abstainer; home and colonial experience; Assistant, Manager, or Locum. "Chemicus," 27 Winifred Street, Wavertree Road, Liverpool.

MANCHESTER District.—As Improver; Junior; 18; 5 ft. 8 in.; 3 years' experience; good references; small salary. "Chemicus," 15 Peter's Street, Manchester.

QUALIFIED; 27; 12 years' best-class Dispensing and Retail experience; disengaged end of November; North preferred. C/o Glendale, Avenue Road, Bournemouth.

CUMBERLAND.—Statim; Dispensing, Photography, good Retail; 25; unqualified; London or Brighton preferred, not essential; last two situations Broadstairs and Westgate. Bowness, Flimby, Maryport.

JUNIOR Assistant (21) desires engagement in Essex (preferably within 8-mile radius of Ilford); well up in Dispensing and Retail; smart window-dresser; well recommended. Greaves, 17 Percy Road, Goodmayes, Essex.

UNQUALIFIED experienced Assistant; permanency; outdoors; 14 years' varied experience good-class Pharmacies; Dispenser, Photographer, Counterman; well recommended as good worker and trustworthy; disengaged. 20/2, Office of this Paper.

MANAGER; temporary or permanent; qualified; middle-aged, with good experience; abstainer and non-smoker; thoroughly reliable and conscientious; satisfactory references; disengaged. "Veritas," Carysfort, Woodcote Grove Road, Coulsdon, Surrey.

QUALIFIED Manager, experienced in highest-class Retail and Dispensing, seeks immediate re-engagement; tactful and of good address; 7 years in present managership; free November 22; highest references; married. England, 2 Montpellier Exchange, Cheltenham.

SITUATIONS WANTED (*continued*).

PERMANENCY, or Part time; competent, trustworthy, experienced Prescriber, Dispenser, General Retail; tactful Salesman; good organiser, writer, bookkeeper; highly recommended. Forster, 5 Coleridge Road, Finsbury Park, N.

LOCUM, or for a term; qualified; disengaged. Hobson Key, Brook Estate, Monmouth.

JUNIOR; 21; good General experience. Marsden, 179 Walthew Lane, Platt Bridge, Wigan.

QUALIFIED; permanency; last as Manager; 30; good references. 23/33, Office of this Paper.

DISENGAGED; qualified; outdoors; town or country. "Chemist," 47 St. Mary's Terrace, Hastings.

MANAGER; qualified; experienced, reliable; London preferred. "M. P. S.," 81 Victoria Street, S.W.

LADY Chemist desires shop experience; good Dispenser and Bookkeeper. Apply, 23/4, Office of this Paper.

QUALIFIED; 10 years' London experience; 28; outdoors preferred. Apply, "Rex" (25/24), Office of this Paper.

MANAGER or Assistant; qualified; Photography and Sight-testing certificate; disengaged. "Chemist," 109 Fentiman Road, S.W.

QUALIFIED; 26; good-class Dispensing, Counter experience; good references; outdoors; disengaged. "Bynin" (22/4), Office of this Paper.

YOUTH (20) desires situation; help at Counter and put up Stock, or in Warehouse; good reference. Baker, 29 High Street, Kinver, Stourbridge.

MANAGER; Major qualification; used to large business; up-to-date; married; abstainer; good references. Address, "Apex," 4 Elliott Street, Liverpool.

ASSISTANT; 30; unqualified; Dispensing, Photo, and Optics; disengaged; excellent references; London experience. "W. L.," 6 Vicar Lane, Chesterfield.

YOUNG lady wants situation in a Chemist's to put up Stock; can serve and attend in the Dentistry. M. Williams, 37 Burgoyne Road, Harringay, N.

ASSISTANT; unqualified; 23; 6 years' good-class Counter and Dispensing experience; Photography; disengaged; tall. 21/40, Office of this Paper.

ITALIAN Chemist desires re-engagement; any locality; fluent French, knowledge German; 6 months' West-end experience. Galeno, 92 Kensington Gardens Square.

CAPABLE Assistant; 36; smart, energetic; Dispenser, Counterman, and Photography; unqualified. "Statim," c/o J. Hammond, Oaklands, Greenfield, near Oldham.

BRANCH Manager or Assistant; experienced all branches; thoroughly competent; abstainer; disengaged November 13. "T. E.," 6 Highgate Road, London, N.W.

WANTED position as Manager; qualified; aged 43 years; married; country preferred; highest references; guaranteed sober and industrious. Apply, "Aspirin" (22/37), Office of this Paper.

DISPENSER (Lady), fully qualified, requires post with Chemist or Doctor; excellent references; experience wanted; salary moderate; Sheffield district preferred. 21/33, Office of this Paper.

MANAGER or Senior; 28; Pharmaceutical Chemist; view early succession; good class Retail, Dispensing, Photographics, slight Optics; had good Counter experience. 25/23, Office of this Paper.

MANAGER (36), tall, energetic, good appearance and address, thoroughly experienced, town, country, stores, seeks permanency; married; disengaged. "Chemist," c/o Kendall, Myton-on-Swale, York.

COMPETENT Assistant; unqualified; abstainer; 29; best references; excellent Dispensing experience; smart Counterman, Photography; disengaged next Tuesday. Nicholson, 63 Stephen's Road, Tunbridge Wells, Kent.

A QUALIFIED Chemist, elderly, active, and well recommended, is desirous to obtain a respectable situation as Manager of branch, or for widow, trustees, or invalid; a comfortable berth in healthy country place more desired than a big salary; Cornwall or Devon preferred. Sealy, 5 Penrhyn Crescent, Llandudno.

LOCUM; Pharmacist; 26; experienced; disengaged. 24/10, Office of this Paper.

PART-TIME; qualified; 30; sound experience; good references. 25/35, Office of this Paper.

ASSISTANT; unqualified; aged 38; outdoors; good reference. 22/19, Office of this Paper.

AN F.C.S. wishes for opportunity of learning Pharmacy in London. 23/13, Office of this Paper.

JUNIOR, tall, requires situation in good dispensing business. Jones, c/o Thomas, Chemist, Holyhead.

PART-TIME; 23; disengaged; Dispensing, Counter, Photography, etc. Holden, 23 Marsh Terrace, Darwen.

SUCCESSION.—Manager early view succession on favourable terms. "Chemist," 14 Caledonian Road, N.

ASSISTANT or Dispenser; good experience; disengaged. "Ronald," 125 Falcon Road, Battersea, S.W.

JUNIOR; 22; tall; good-class Counter, Dispensing, and Photographic experience. 22/28, Office of this Paper.

BRIGHTON district; qualified lady Dispenser-Book-keeper requires post; experienced. "V.," "Ronda," Worthing.

PHARMACIST; permanent Manager or Locum Tenens; disengaged. Price, Brynamlwg, Crowborough, Sussex.

MANAGER or Senior, with view to succession preferred; 34; qualified; single. Apply, 24/1, Office of this Paper.

ENGAGEMENT; London; qualified; outdoors; dispensing and stores. "Tedworth," 32 Redburn Street, Chelsea, S.W.

EASTBOURNE.—7½ years' experience; 22; tall; local man; abstainer; interview; good worker. 25/31, Office of this Paper.

ASSISTANT; unqualified; in or outdoors; moderate salary; experienced. "Radix," 30 Gensing Road, St. Leonard's-on-Sea.

MANAGER; with view to succession; age 33; abstainer; qualified; married; tall; experienced. "Spes" (24/04), Office of this Paper.

MANAGER or Locum; 37; qualified; good all-round experience and references. "Aspirin," 13 Clarendon Gardens, Maida Vale, W.

DISPENSER desires morning or evening work in Balham, Brixton, or Streatham. Miss L. Daniel, 87 Trinity Road, Upper Tooting, S.W.

IMPROVER; 18; 14 months' experience in or near London; small salary; passed Preliminary; time for study. "E. R.," 54 St. John's Wood Road, London, N.W.

ADVERTISER, qualified, having relinquished business of his own, desires engagement as Locum, Reliever, or permanency. Particulars, Smith, 64 Manchester Road, Southport.

MANAGER or Senior; qualified; 29; thoroughly experienced; smart and up-to-date; excellent counterman and prescriber; disengaged. "T.," 6 Arthur Street, Loughborough.

QUALIFIED gentleman desires engagement as Manager or Assistant; 30; good all-round experience; North or Midlands preferred. "Novas," 87 Shaftesbury Avenue, London, W.

MANAGER or Senior; tall; active, steady; Prescriber; unqualified; married; 15 years' London experience; would work up neglected business. "W." (26/14), Office of this Paper.

COMPETENT unqualified Assistant; single; 25; Dispensing, Photographic; excellent references; prepared to take charge if required; provincial. "Rheum," 48 Clarendon Villas, Hove.

DISENGAGED; competent, reliable Assistant; 34; exceptional modern experience; unqualified; Prescriber, Dispenser, General Retail; manage or develop; excellent reference. "Salol" (23/10), Office of this Paper.

27/6 weekly; outdoors; easy hours; permanency preferred; Dispenser, Bookkeeper, or Assistant; sound experience; splendid references; experienced Branch Manager; 31; abstainer. 25/37, Office of this Paper.

UNQUALIFIED; good all-round man. Singleton, 155 Framfield Road, Hanwell, W.

UNQUALIFIED; 36; height 5 ft. 5 in.; Extractor. Foster, c/o Sellers, Kirton, Boston.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 2 Rockville, Hautville, Guernsey.

DISENGAGED; 16 years' good London experience; unqualified; 38. Fletcher, Black Horse Yard, Whitby.

LOCUM or permanent; Branch Manager, Extractor; disengaged. "Pharmacist," 13 Wellesley Street, Stepney.

JUNIOR; tall; 22; able to do Dental mechanic work; 7 years' experience. E. V. Ashworth, 53 Ingham Street, Bury.

MANCHESTER; 24; Dispensing, Photographic, Counter; unqualified; abstainer. Barron, 10 Winifred Road, Urmston.

JUNIOR; 22; tall; time for study; outdoors preferred. G. Almeroth, Egremont House, Heigham Road, East Ham, Essex.

QUALIFIED Manager or Senior; young; business ability and first-class experience. "Chemist," 52 Lonsdale Street, Accrington.

JUNIOR, 4 years' experience, seeks engagement; outdoors; disengaged November 15. "W. J. W.," 39 Irene Road, Parson's Green, London.

ASSISTANT; 26; good Prescriber and Dispenser; excellent references; 6 years' provincial, 4 years' London experience; outdoors. "Alpha," 23 Lind Road, Sutton, Surrey.

SENIOR or Manager; 29; qualified; excellent home and Riviera experience; smart Counterman and Prescriber; good appearance and address. 26/29, Office of this Paper.

EXPERIENCED, trustworthy Assistant; 26; outdoors; highest references; Retail, Wholesale, or Dispenser to Doctor; London preferred. "Rhei," 37 St. Mary Road, Walthamstow.

N.B.—Manager, Locum, Assistant; qualified; exceptionally good all-round experience; satisfactory references; reliable, trustworthy. "Aspirin," 102 Briscoe Mansions, Brixton Hill, S.W.

UNQUALIFIED Assistant; outdoors; good business ability and push; varied experience; excellent references; abstainer; middle-aged; single; disengaged. "Energetic," 5 Beaconsfield Cottages, Hillingdon Heath, W.

UNQUALIFIED, educated, Counterman; 26; tall; Photographics, Prescriber, Extractor; first-class references; been proprietor; ready to go anywhere in South or London; please state salary offered and hours to 24/16, Office of this Paper.

YOUNG lady, finished apprenticeship, requires situation; London or Manchester preferred; well up in Sundries, Photographic; quick and accurate Dispenser; good references; at liberty December 13. Elsworth, 7 St. Mary's Avenue, Harrogate.

WHOLESALE.

WET Counter.—Young man requires situation; 9 years' experience. "H. D.," 205 Stanhope Street, N.W.

YOUTH (20) desires situation as Packer or Warehouseman; 4 years' experience; quick and careful. "J. J. B.," 23 Peckham Park Road, S.E.

CHEMIST (33) with manufacturing and analytical experience desires position; Laboratory, Specialities, or Warehouse. 24/5, Office of this Paper.

GENTLEMAN possessing Public School education, Pharmaceutical training, and connection with Medical men, wishes to Represent good firm. 26/12, Office of this Paper.

UNQUALIFIED; 10 years' varied experience in Retail, Dispensing, Photography, Sundries, etc.; could adapt himself to any class of work. "Rheum," 48 Clarendon Villas, Hove.

CLERK; energetic and self-confident; 7 years' experience of Wholesale Drug trade; thorough knowledge of invoicing and general office work. Apply, 19/40, Office of this Paper.

GENTLEMAN, 15 years' first-class Wholesale experience, desires position as Chemist, Manager, or Representative; home or abroad. "Chemist," 18 Smithfield Street, Birmingham.

DANISH qualified Chemist wishes employment in Wholesale house to complete learning English; age 23; first-class references. Apply, West Carbery Copper Estates, Ltd., 10 Bush Lane, E.C.

TRAVELLER with first-class connection among Chemists and Stores in United Kingdom requires position Wholesale house or Proprietaries; good appearance and references. 21/11, Office of this Paper.

LADY seeks situation; Wholesale preferred; good General experience; could take charge of girls if required; disengaged now; excellent references. "Strychnine," Hillside, Eversleigh Road, Church End, Finchley.

EXPERIENCED Traveller desires engagement with an established firm who wish to be well represented; satisfactory references from present and past employers. Address, "Alpha," c/o Mr. W. H. Noon, 69 High Holborn, W.C.

TRAVELLER, experienced commercial training, smart salesman, open to Represent first-class house; Essences, Oils, Perfumes, etc.; sound connection Manufacturing Confectioners, Mineral-water Makers, Chemists. Apply, 20/6, Office of this Paper.

ANALYST, Research Chemist, B.Sc. (Lond.), F.I.C., last two years chief Analytical and Works Chemist to firm of Manufacturing Chemists and Druggists, desires post with prospects, home or abroad. Apply, 18/15, Office of this Paper.

PRINTER'S Manager seeks engagement with Wholesale House doing own printing; Labels, Lists, Cartons, etc.; organiser and disciplinarian; practical in all branches; good references. "Label," 76 Shacklewell Lane Dalston, London, N.

ENERGETIC, educated, 26, 8 years' Retail, desires wholesale experience, to ultimately represent; business appearance, address, and capability; please state terms of progressive salary and style of work; interview if necessary. 24/61, Office of this Paper.

REPRESENTATIVE in Japan, China, India, and the East will be open to Represent either one or several houses in Drugs, Chemicals, Druggists' Sundries, Surgical Instruments, Optical Goods, etc., from early next year; well known in the East. Apply, 15/40, Office of this Paper.

REPRESENTATIVE.—Qualified Chemist seeks post to travel in Drugs, Sundries, Soap, Perfumes, or anything in Chemist business; 28; married; good appearance; tactful and courteous; not afraid of work; Midlands or London preferred.—"Permanency" (24/2), Office of this Paper.

A PHARMACEUTICAL Chemist, disengaged December 1, would be glad to treat with a Wholesale Firm with a view to representing them; no previous experience, but is a keen, energetic business man (31) of good appearance and address, with plenty of brains and desire to use them. Reply, 23/1, Office of this Paper.

TRAVELLER, representing well-known London firm in four Northern Counties and principal towns in Scotland, requires additional Agency, not competing with Toilet Soaps and Skin Preparations; part expenses and commission; thorough knowledge of the drug-trade. Apply, 23/3, Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

RETAIL.

INDIA Preferred.—An unqualified Assistant, just out of apprenticeship, desires berth in a good European business; age 21; tall; good appearance; thorough good training in Dispensing and Counter work; excellent references; knowledge of Photography. Address, E. Courtenay, Toll Bar Store, Berea Road, Durban, Natal, S. Africa.

WHOLESALE.

BELGIUM.—An English Chemist, over 20 years residence in the country, desires to Represent good English firm either for the Exhibition or otherwise. "Pharmacien," 73 Rue d'Albanie, St. Gilles, Brussels.

WORKS Manager or Traveller, age 30, 16 years in present situation, 9 as Traveller, desires change; valuable experience in Wholesale and Retail. "Cetaceum" (21/17), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone: 81A Lee Green.

SHARES FOR SALE (free of commission, subject).—100 Idris "A" 6 per cent. Preference, 5*s.* 3*d.*; 50 Boot's Pure Drug "A" 7 per cent. Preferred Ordinary, 28*s.*; 100 Sanitas Ordinary, 22*s.*; 100 Molassine 7 per cent. Preference, 16*s.* 6*d.*

WANTED (subject).—100 Wright, Layman & Umney Preference, 20*s.* 10½*d.*; 50 Dental Manufacturing, £4 10*s.*, paid £5 1*s.*; 170 Allen & Hanburys' "B" Preference at 22*s.* 7½*d.*

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

A WELL-KNOWN ARTICLE, which has long enjoyed the confidence of the Medical Profession both in England and in America, has been vastly *improved* by a scientific Pharmacist, entirely through superior *modus operandi* in its preparation; the detail of this *simple process* is for Sale; the article, thus improved, *and sold under a brand name*, would form a desirable additional line in the list of any maker already advertising high-class medicinal products in the medical journals, or (since there need be practically no initial outlay) it would form a suitable nucleus for the favourable introduction of an unknown name to the profession; private bargain; principals only; upset price £50. 25/22, Office of this Paper.

£50.—COMPLETE FITTINGS FOR CHEMIST'S SHOP; as good as new and ready for immediate despatch; 10-ft. Wall-case, Mirror Centre, and Recess; 12-ft. Drug-fitting, Glass Labels and Knobs; 10-ft. Mahogany and Plate-glass Counter; 6-ft. very handsome Screen and Counter; Bent Plate-glass Counter-case; Perfume-case and Desk; nest of Counter-drawers; a great bargain. PHILIP JOSEPHS & SONS, 93 Old Street, London, E.C.

BARGAINS for Chemists.—All in A1 condition and ready for immediate despatch: Counters, Counter-cases, Wall-cases, Drug-fittings, Drawers, Dispensing-screens, Perfume-cases, etc., etc.; must be sold before Christmas; write us your requirements and we will send full particulars and sketches per return of post. PHILIP JOSEPHS & SONS, 93 Old Street, London, E.C.

CHEMISTS' SHOP-FITTINGS (SECOND-HAND). — Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with glass-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogues and estimates free. MATTHEWS, CHEMISTS' FITTER, 14 and 16 MANCHESTER STREET, LIVERPOOL.

CHEMISTS' FITTINGS.—SECOND-HAND, high-class bargains to clear.—14-ft. Drug-fitting, fitted 60 Drawers, with glass Labels, Glass Knobs, Bottle Lockers, Mirror Poison-cupboard, Bottle-shelves, and Cornice; 6-ft. complete Mahogany Dispensing-screen and Counter, including Sponge-case; 8-ft. Wall-case, bottom and top part, Mirror Recess; 10-ft. glass-fronted Serving-counter, Perfumery-case, and Desk, mahogany and bent plate-glass Counter-case; the lot £49 10*s.*; estimates free. H. Mills, Chemists' Complete Shop-fitter and Shop-front Builder, Steam Works, 163 and 165 Old Street, E.C.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. RUDDUCK & CO., 262 OLD STREET, E.C.

CHEMIST'S high-class Fittings, cleared from 176 High Road, Streatham; only in use 3 years; wall-fitting, 40 ft. long, with drawers under with glass knobs and tablets, with handsome carved pediment and clock in centre, can be divided into 3 sections; chemist-serving counter with plate-glass doors in front, drawers and shelves at back, 22 ft. long; perfumery wallcase, 15 ft. long by 9 ft. high, fitted with plate-glass doors top and bottom; several counter-cases and other fittings; cheap to clear; room wanted. Radin & Co., 384 Old Street, adjoining Shoreditch Town Hall, London. Telephone 5187 Central.

Dose Tables for Students of Pharmacy.

A TWENTY-FOUR page booklet showing the adult doses in ordinary cases of the principal medicinal agents, with metric equivalents for dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4 in. by 2½ in., and can be carried in the vest pocket. To be obtained from THE CHEMIST AND DRUGGIST (Book Department), 42 Cannon Street, London, E.C., for THREE PENNY STAMPS PER COPY, POST FREE.

CHEMISTS' Fittings.—Drug-fitting, 12 ft. long, 60 drawers, glass labels, glass knobs, lockers and shelving; 6-ft. mirror-centre Dispensing-screen and Counter; 8-ft. plate-glass front Counter; mahogany and plate-glass Perfume-case and Desk; must be sold. George Cook, The Working Shopfitter, 8A Cross Street, Islington.

POISONS SCHEDULE, *according to the New Act*, reprinted from THE CHEMIST AND DRUGGIST, with a supplementary list of admixtures, preparations, and other articles brought within the Schedule. On a card (Schedule in front, list at the back) to hang up; price 6*d.*, post free, from the Office of the *C. & D.*, 42 Cannon Street, London, E.C.; or at the published price (4*d.*) from the leading Wholesale houses.

TO Trustees, Executors, Liquidators, and others.—Immediate cash to any amount for all descriptions of Chemists' Stocks, Fittings, Fixtures, Wholesalers' Oddments, and Druggists' Sundries; best prices given; cash advanced for any solvent business which can show a good turnover. Apply, in confidence, to J. H. Hemmings, 2 Scylla Road, Peckham Rye, S.E.

PLATE-GLASS Shelves, Window-fittings, Carboys, Counters, Drug-fittings, Dispensing-screens, Wall Cases; second-hand; send for list; cheapest house for high-class fittings; complete Chemist fitters; estimates and designs free; men sent to all parts. TREBLE & CO., Shop-front Builders, Ringwood Road, Walthamstow, London.

RETAIL CHEMISTS WANTED to stock "Bronkene" (registered), a leading Scotch cough remedy; liberal terms and advertising. Apply direct to proprietor, A. H. Ross, M.P.S., Dundee.

"START YOUR CAMPAIGN NOW."

If you want an original, artistic and attractive Xmas scheme I have one ready for you. Please note this is not a catchpenny idea, but a genuine refined advertising scheme, and in addition to my Business pulling System. Booklet "HOW TO INCREASE YOUR BUSINESS," explaining the latter, sent post free to Pharmacists on receipt of postcard. Do not hesitate, but send for a copy to-night.

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD.

What are you doing about Xmas?

Are you making a special effort to secure a big share of the "Xmas Present" trade? If so, we can help you. We have prepared some very special designs in Window Posters and Showcards that will give your window just the essential touch of colour and suggest your goods as possible presents to every passer-by.

Illustrated List Free.

DUDLEY & CO., Window Ticket Experts, **Holloway Rd., LONDON.**

A GRAVE MISTAKE

in these days is that old proverb, "Good wine needs no bush." Just as it is no good me having a unique and successful system of increasing chemists' businesses unless I advertise that fact, just in the same way, what is the use of your excellent drug service unless in a refined way, i.e. my way, you let the public know of this? Do not hide your light under a bushel in the 20th century. Do as I do; if you have a good thing to sell, let your public know of it. Booklet free; apply **to-day**, as my Xmas ideas leave my office for my clients' pharmacies to-morrow, including the window display.

BERNARD SLACK,
Princes Chambers, WOLVERHAMPTON.

Exchange Column—Bargains.

TERMS.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No Advertisement inserted for less than 6d.

FOR DISPOSAL.

APPARATUS.

WHAT offers? Wigmore dispensing balance, as new. REGENT, 77 Victoria Street, S.W.

MOULDS: Pessary 120 grs., bougie 2½ in.; Maw's; new condition. 20/21, Office of this Paper.

BOOKS AND PERIODICALS.

"CHEMIST AND DRUGGIST" for the last twenty years; 4*d.* per doz. if 10*s.* are taken, smaller quantities 6*d.* per doz.; postage or carriage extra; 9 doz. minimum quantity. WATTS, 586 Attercliffe Road, Sheffield.

DENTAL.

VULCANISER, two-flask, automatic hand plugger and points in case; Ash's; as new; syringes, gags, etc. 20/201, Office of this Paper.

DRUGS AND CHEMICALS.

CASH or exchange, 40 lb. chlorodyne, B.P. 1885, 2*s.* lb., any quantity. PRATT, Pharmacist, Cleckheaton.

FORMULÆ.

FORMULA for sale, liquid brass polish. FRANCE, 42 Vartry Road, London, N.

BOOT and metal polish; manufacturer's formulæ. For particulars, 21/23, Office of this Paper.

GENUINE recipe for Sandow's carbonated baths (Nauheim); 2*s.* 6*d.* PEARSON, Chemist, 90 Eton Road, Burton-on-Trent.

OPTICAL AND PHOTOGRAPHIC.

2 by 6 ft., 2 by 15 ft. oxygen cylinders; 20 Gem lantern-plates; 6 doz. 3*d.* photo mountant, 1*s.* doz. GALE, Chemist, Gateshead.

PROPRIETARY ARTICLES.

WHAT offers 10 doz. Anturic bath salts? 23/22, Office of this Paper.

1 CWT. oxalic acid, 35*s.*; Pomeroy's preparations, half cost, assorted 1*s.*, Munyon's, 6*s.*; 3 Icilma water, 1*s.* 3*d.*; 8 2*s.* 3*d.* Zillion, 1*s.* each. GALE, Chemist, Gateshead.

SHARES.

SHARES for Sale. See p. 62.

SHOP FITTINGS.

50 FEET of plate-glass window shelves and mirrors; good condition. CROUCH, Moorgate Street Station.

GLEDHILL'S Invincible coin-exhibiting till, cost £5 5*s.*, nearly new; price £2; also a Loft's till, 16 by 8½ by 9½; 15*s.* DUCK, Chemist, Cardiff.

UPRIGHT sponge-case, 2 ft. 6 in. by 3 ft., £2 5*s.*; counter-case, plate-glass fall-down door, 2 ft. 6 in. by 8 in., £1 5*s.*; mahogany case, to stand on counter, 7 ft. by 4 ft., £4. Apply, F. W. SMITH, 3 Belgrave Terrace, Leeds.

MISCELLANEOUS.

3 DOZ. catheters; best offer accepted. WILSON, Chemist, Balham.

FEMALE urinal, new, Maw, 1092. Offers, "CHEMIST," 42 George Street, Richmond, S.W.

OVERSTOCK.—Eight spray-producers, cost £1 3*s.* 9*d.*; 15*s.* 6*d.* carriage paid. STEAD, Chemist, 411 Edgware Road, W.

5 DOZ. syphons, silver tops, also a syphon trolley; cost £15 together; 30*s.* or offer to 392 Garratt Lane, Earlsfield, S.W.

BECKER balance, splendid condition, 30*s.*; Ralli focal plane ¼-plate camera, Beck lens, 6 slides, good condition, 30*s.*; approval on deposit. COUSINS, Buckfastleigh.

WANTED.

BATH cabinet. Price, 18 Formosa Street, W.

COMPLETE or part fittings for chemist's shop. 18/21, Office of this Paper.

FAIRBANK'S glycerin pine-tar soap. MAUNDER, Chemist, Teignmouth.

SECOND-HAND check till, O'Brien's or other make. DAVIES, 7 Station Street, Porth.

NEST drug-drawers, shop-rounds. State terms, SMITH, 18 Old Hall Drive, Gorton, Manchester.

SECOND-HAND perfume-case and desk; good condition. Size and full particulars, 22/12, Office of this Paper.

"PHARMACEUTICAL FORMULAS," also "P. J. Formulary," in good condition. 22/27, Office of this Paper.

OPTICAL.—Framed charts and anything optical; suitable for window-display. STOW, Chemist, Newton Abbot.

UPRIGHT counter show-cases, similar to silent salesmen. Dimensions, "H.," 19 Manor Street, Stonehouse, Devon.

PILL-MASSING machine, hand power, capacity 4 to 6 lb. State price and maker to WARDLES, Moses Gate, near Bolton.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

"HOSPITALS Pharmacopœia," Squire, Martindale, "Pharmaceutical Formulas," Vol. 2, all latest editions. "R.," Binfield House, Clapham, S.W.

"CHEMIST and Druggist," 1859-70, all or parts; also "Analyst," "Soc. Chem. Industry," and old "Chem. Soc. Journals." Offers to 279/19, Office of this Paper.

SET of Chemist's drawers, mahogany preferred, about 60, size 12 by 8 by 10 or about, height over all 42 in. Send full particulars to H. PYE, 18 Bridge Street, Spalding.

SECOND-HAND, good condition, B.P. Codex, Squire, Martindale, latest; iron mortar and pestle; compo mortars and pestles; pill-machines, suppository-moulds, tincture-press, Christy's cachet-machine. AIREY, 9 Station Parade, Cricklewood.

ADDRESSES WANTED.

CAN anyone oblige with address of Hawes & Chapman, photographers, formerly of Taunton, supposed now of Salisbury? "RICHMOND" (22/32), Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents, or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

Coming Events.

Secretaries of Pharmacists' Associations and other trade organisations are requested to communicate to the Editor the programmes for the coming Winter Session.

This Section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor not later than Wednesday of the week before the meetings, etc., occur.

Tuesday, November 16.

Bradford Chemists' Association, Rawson Hotel, at 9 P.M. Dr. Rabagliati, "Some Criticisms of Darwinian Evolution."

Huddersfield Chemists' Association, Queen Hotel, at 8.45 P.M. Discussion on the Pharmacy Acts.

Wednesday, November 17.

Western Chemists' Association, Restaurant Frascati, Oxford Street, London, W., at 7 P.M. Annual dinner. Tickets from Mr. C. T. Allen, Hon. Secretary, 20 High Road, Kilburn, N.W.

Wolverhampton Chemists' Association, Star and Garter Hotel, at 7 P.M. Whist-drive. Tickets (2*s.* 6*d.* each) from Mr. J. H. Coleman, 7 Worcester Street.

Plymouth, Devonport, Stonehouse and District Pharmacists' Association, Mikado Café, Old Town Street, Plymouth, at 8 P.M. Annual dinner. Tickets (4*s.* 6*d.*) from Mr. F. A. Spear, Hon. Secretary, 68 Old Town Street, or any member of the Dinner Committee.

National Union of Assistant Pharmacists, Liverpool Branch, Y.M.C.A. Hall, Mount Pleasant, at 8 P.M. Lantern-lecture by Dr. C. Thurstan Holland, "The Snow and Ice Scenery of Switzerland." Tickets (gratis) from the Hon. Secretary, 427 Mill Street.

Portsmouth and District Pharmacists' Association, Photo Society's Rooms, Pembroke Road, 3.30 P.M. Meeting. Mr. R. A. Cripps, F.I.C., on "The Food and Drugs Act and the Pharmacist."

Thursday, November 18.

Chemical Society, Burlington House, London, W., at 8.30 P.M. The following papers will be communicated: "The Resolution of Asymmetrical Derivatives of Phosphoric Acid," by Mr. B. D. W. Luff and Dr. F. S. Kipping; "The Configuration of Tropeine and γ Tropeine and the Resolution of Atropine," by Messrs. M. Barrowcliff and F. Tutin; "Note on the Stereo-isomeric Modifications of $\alpha\beta$ Dibromo-benzyl Acetone," by Miss I. Smedley.

Salford Pharmacists' Association, Cattle Market Hotel, Cross Lane, at 7 P.M. Inaugural dinner, followed by smoking-concert. Tickets from Mr. C. Brown, 161 Bury New Road, Manchester.

Chemists' Assistants' Association, Banqueting Hall, Restaurant Frascati, Oxford Street, London, W., at 8.15 P.M. Annual reunion and smoking-concert. Tickets (1*s.* each) from Mr. A. S. Peake, 49 Newgate Street, E.C.

Friday, November 19.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 8.30 P.M. Inaugural sessional address by Prof. Wm. Peddie, D.Sc., F.R.S.E., on "Actions at the Surfaces of Bodies," with experiments.

The Annual Social and Reunion in connection with the Manchester College of Pharmacy will be held on December 1. Particulars from Mr. W. S. Ramsden, 225A and 227A Oxford Road, Manchester.

The Annual Dinner of the Nottingham Pharmaceutical Association will be held at the Victoria Station Hotel on December 2. Tickets from the Hon. Secretaries, Mr. T. Freeman, 57 Mansfield Road, and Mr. E. E. H. Turton, 2 Chapel Bar.

National Union of Assistant Pharmacists, Glasgow Branch.—An "At Home" will be held in the Regent Halls, 234 Sauchiehall Street, on November 25, at 8.30 P.M. Tickets (lady's 3*s.*, gentleman's 3*s.* 6*d.*) may be had from the Secretary, Mr. Leonard McNab, 13 Park Terrace, Queen's Park.

Midland Pharmaceutical Association.—Inaugural meeting will be held in the Grand Hotel on December 1, at 7.30 P.M. There will be a reception, followed by a whist-drive and supper. Tickets (3*s.*, double 5*s.* 6*d.*) may be obtained from Mr. Radford, 14 Union Street, and from the Hon. Secretary, Mr. H. Buckingham, Witton Road, Aston Manor.

Tooth-powders.—The "Daily Express," in an article on the "Divinity of Beauty," recommends the following tooth-powders: (1) powdered bark ½ oz., myrrh ½ oz., prepared chalk 1 oz., camphor 1 dr.; (2) precipitated chalk and powdered orris-root, equal parts; (3) powdered areca-nut 1 part, cuttle-fish 2 parts, areca-nut charcoal 4 parts. "Personally, I prefer a liquid dentifrice bought at a reliable chemist's," says the writer of the article.

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(*From the "Trade-marks Journal," October 27, 1909.*)

"Plex"; for perfumery, etc. (48). By C. Schuler & Co., Haupstrasse 54, Kreuzlingen. 316,048.

"Poudre Manon Lescaut," and picture of lady's head; for toilet-powder (48). By E. Wertheimer & Cie., 60-62 rue d'Hauteville, Paris. 316,101.

(*From the "Trade-marks Journal," November 3, 1909.*)

"Cinderella"; for all goods (1). By W. Bradford, Bridge Works, Brentford. 316,104.

"Ratexite"; for a vermin-destroyer (2). By G. R. Stanton, 19 Clapton Square, London, N.E. 315,618.

"Abol," and picture of girl with syringe; for insecticides (2). By E. A. White, Ltd., Beltring, Paddock Wood. 316,092.

"Arbolineum"; for chemicals (2). By Ernest Hartjen, 35-37 Noble Street, London, E.C. 316,110.

"Rugeo," and label device; for chemicals (2) and (3). By George Green, 8 North Hill, Highgate, London, N. 316,497/8.

"Bandite"; for chemicals (2). By Strawsons & Co., 79 Queen Victoria Street, London, E.C. 316,647.

"Horseine"; for a medicine and for a food for horses (2 and 42). By T. E. Markham, Victoria Mills, Longsight, Manchester. 316,819/20.

"Boneville"; for manures (2). By Heywood & Massie, Ltd., Frodsham Bridge, Cheshire. 316,956.

"Turfumes" and "Magnetol"; for a chemical (2) and for a chemical bait to catch insects, etc. (2). By Kay Bros., Ltd., St. Petersgate Mills, Stockport. 316,515, 316,962.

"Tubol"; for medicinal chemicals (3). By Lucien Graux, 11 rue Villebois-Mareuil, Paris. 313,263.

"Granuline"; for a remedy for eye-diseases (3). By Murine Eye Remedy Co., Chicago, Illinois, U.S.A. 314,039.

"Vilja"; for medicinal chemicals (3). By Hugo Obermeyer, Nurnbergerstrasse 24, Hanau a/Main. 315,135.

"Jaroca"; for goods in (3) and (48). By J. R. Cave, 52 Nevill Street, Southport. 316,533/4.

"Coclucol"; for a whooping-cough cure (3). By Paul Krause, Mathildenstrasse 50, Dresden. 316,655.

"Triformal"; for all goods (3). By Dental Manufacturing Co., Ltd., 6-10 Lexington Street, London, W. 316,865.

"Caravonica"; for vegetable manufacturing substances (4). By Baumwollcentrale Co., Ltd., Alexandrinenstrasse 97, Berlin. 316,510.

"Dan"; for metal bottle-stoppers (13). By L. Lumley & Co., Ltd., 1 America Square, London, E.C. 315,848.

"Dr. Fahlberg" (fac-simile signature); for saccharin in food (42). By List & Co., Schonebeckerstrasse 3, Salbke, Westerhusen, Magdeburg, Germany. 314,658.

"Formajen"; for a food for invalids (42). By Jenner Food Co., 13 Henry Square, Ashton-under-Lyne. 315,143.

"Oatafin," and device of banner; for oat flour (42). By W. Begg, Mill of Findon, Portlethen. 315,694.

"Aperienza"; for an aërated mineral water (44). By J. W. Kerr, Aston Cross, Aston, Warwickshire. 316,704.

"Washall," and picture of bag for common soap and soap-powders (47). By Job Day & Sons, Ltd., Ellerby Lane, Leeds. 313,339/40/41, 316,351.

"Lively Polly," and label device; for all goods (47). By J. Hargreaves & Son, Ltd., 81 Binns Road, Edge Lane, Liverpool. 315,648.

"Meteor"; for heating, illuminating, and lubricating oils (47). Blundell, Spence & Co., Ltd., Upper Thames Street, London, E.C. 316,163.

"Grandee"; for all goods (47). By Prescott & Co., 63 Corporation Street, Manchester. 316,409.

"Flanola" and "Flanole"; for all goods (47). By Christr. Thomas & Bros., Ltd., Bristol. 316,638.

"Vanguard"; for polishing-preparations (50). By A. J. Murphy, 19 Dorrington Street, Leeds. 313,850.

"Glido"; for a pad for re-dressing razor-strops (50). By A. Hardiman and W. Barker, 66 New Road, Kidderminster. 316,377.

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Crown Chemical Works, Ltd.

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Allison, J. R. B.
Degen, F. A.
Pitman, Sir I., & Sons, Ltd.
Plastic Advertisement Co.
Slack, Bernard
Smith, W. H., & Son

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Barnett & Foster
British Automatic Aerators, Ltd.
(*See also* SODA FOUNTAINS)

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Brunner, Mond & Co.
Bush, W. J., & Co., Ltd.
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Stevenson & Howell, Ltd.
Sthamer, Dr. Richard
(*See also* ESSENCES, SOL.)

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Boehringer, C. H., Sohn
Hoffmann-La Roche, Ltd.
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Macfarlan, J. F., & Co.
Merck, E.
Morson, T., & Son
Smith, T. & H., Ltd.
Zimmermann, C., & Co.

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Townsend, J., & Sons

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Nichols Chemical Co., Ltd.
Scrubb & Co., Ltd.
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ANÆSTHETICS
Duncan, Flockhart & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.
Zimmermann, C., & Co.
(*See also* CHLONOFORM)

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Fullwood, R. J., & Bland
Tomlinson & Hayward, Ltd.

ANTIMONY AND ITS SALTS
May & Baker, Ltd.
White, A., & Sons

ANTI-OPIUM CURE
Gerhardt, C. F.

ANTI-RHEUMATIC RINGS
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Lofthouse & Saltmer
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Schutze, F., & Co.
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Reitmeyer & Co.
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Lewis, H. K.
Martindale's "Extra Phar."
"Prescriber, The"
Pitman, Sir I., & Sons, Ltd.
Spatula Publishing Co.
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Maw, S., Son & Sons
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CACHETS
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CAMPHOR
Alliance Drug & Chemical Co.
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Howards & Sons, Ltd.
May & Baker, Ltd.

CAPPING MATERIALS
Viscose Co., Ltd.

CAPS FOR BOTTLES, &c.
Durter, Wilkinson & Co.
Fecher, M. J.
Viscose Co., Ltd. (self-fixing)

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(*See also* DISINFECTANTS)

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Ford, Shapland & Co.
Harrison & Waide

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Howards & Sons, Ltd.
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Morson, T., & Son

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Sturge, John & E.
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Tolkien, C., & Co.
United Chemists' Association
Wand Mfg. Co.
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(*See also* WHOLESALE)

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Perken, Son, & Co., Ltd.
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Plasmon, Ltd.

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Barnett & Co.

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(*See also* DAIRY ADJUNCTS)

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Outem Corn Remedy Co.

CORN FILE
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Southall Bros. & Barclay, Ltd.
Woolleys, Ltd.

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CREOSOTE
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Morson, T., & Son

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Norwich Crêpe Co. (1856), Ltd.
Wood, Vincent

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Fentiman, A. J., & Co.
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Last & White
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Wardale & Co.

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Cook, E., & Co., Ltd.
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Hall & Ruckel
Jewsbury & Brown
Lambert Pharmacal Co.
McKesson & Robbins
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Pierre, Dr.
Rowland, A., & Sons
Standard Tablet & Pill Co.
Woods, W., & Son
Woolley, J., Sons & Co., Ltd.

DEXTRINE
Fink, F., & Co.

DIGESTIVE PRODUCTS
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Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Zimmermann, C., & Co.

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Baiss Bros. & Stevenson, Ltd.
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Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Dalmas, A. de St., & Co.
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Jeyes' Sanitary Compounds, Ltd.
Kay Bros., Ltd.
Lambert Pharmacal Co.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

DOSE REGULATORS
Maw, S., Son & Sons
Renter, R. J.

DIABETIC BREAD AND FOOD
Callard & Co.
Van Abbott, G., & Sons

DRUGGISTS' SUNDRIES
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Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley
Bush, H. W., & Co., Ltd.
Chemist's Co-operative Wholesale
Christy, T., & Co.
Cook, Alfred, & Co.
Davis, J. M., & Sons

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Evans Sons Lescher & Webb
Fecher, M. J.
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Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
May, Roberts & Co.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
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Renter, R. J.
Sangers'
Schutze, F., & Co.
Shirley Bros., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.
Wattenbach, O.
Wood, Vincent
Woolley, J., Sons & Co.

DRUGS, CRUDE
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Gathergood's Exor.
Horner & Sons
Hymans, H., & Co.
Potter & Clarke, Ltd.
Ransom, W., & Son
Salle, H., & Cie.

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Harker, Stagg & Morgan, Ltd.

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Judson, D., & Son
Whitaker & Co. (Hat)

EAR MOPS.
Cooper, R. H., & Co.

EAU DE COLOGNE
Breidenbach & Co.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS
Bath and West of England College of Pharmacy
Borough Polytechnic Institute
British Optical Institute
Edinburgh Central School of Pharmacy
Glasgow School of Pharmacy
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy
North of England School of Pharmacy
Northern College of Pharmacy
Nottingham School of Pharm.
Pharmaceutical Society's School of Pharmacy
Royal Dispensary (Edinburgh)
South of England College of Pharmacy
Westminster College of Pharm.

EFFERVESCENT PREPS.
Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Kutnow, S., & Co., Ltd.
Lorimer & Co., Ltd.
Newball & Mason
Potter & Clarke
Standard Tablet & Pill Co.
Sturge, John & E.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney

ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H.
Maw, S., Son & Sons
Wood, Vincent

EMBOSSING
Avery, W. R. F.

EMBROCATIONS
James, F.

EMERY AND CLOTH
Oakey, J., & Sons, Ltd.

EMULSIONS, COD-LIVER OIL, ETC.
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Fanlding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co.
Woolleys, Ltd.

ENEMAS
Bailey, W. H., & Son
Burge, Warren & Ridgley
Davol Rubber Co.
Hatrick, James L., & Co., Ltd.
Hay, J. B., & Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ENTOMOLOGICAL APPARATUS
Watkins & Doncaster

EPSOM SALTS
Howards & Sons, Ltd.

ESSENCES, CONCRETE
Lautier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT
Alliance Drug & Chem. Co.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ETHERS
Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Hymans, H., & Co.

EXTRACT OF HERBS
Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)
Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Gathergood's Exor.
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(*See also* WHOLESALE DRUGGISTS)

FEEDING BOTTLES
Breffit, E., & Co., Ltd.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers'
Southall Bros. & Barclay, Ltd.

FILTERS (WATER)
Berkefeld Filter Co., Ltd.

FLESH GLOVES
Sangers'

FLYCATCHERS
Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Flykatoho
Ford, Shapland & Co.
Frowein, C.
Kay Bros., Ltd.
Smith, J. H., & Co.
Strong, Christy
Tunbridge & Wright

FOODS, INFANTS'
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis, B. & T.

FOODS, SPECIAL
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Buvo, Ltd.
Callard & Co.
Fairchild Bros. & Foster

FOODS, SPECIAL (*continued*)
Frame Food Co., Ltd.
Hepworth, Walter
Keen, Robinson & Co., Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Virol, Ltd.
Wander, A.

FORMALDEHYDE
Burt, Boulton & Haywood

FRUIT CRYSTALS
Aerators, Ltd.

FRUIT SYRUPS
Idris & Co., Ltd.

FULLER'S EARTH
Mumford, G. S., & Sons

FUMIGATORS
Sanitas Co., Ltd.

GELATIN AND GLUE
Boehm, F., Ltd.

GLASSWARE, CHEMICAL
Zahradnik, Jos.

GLAUBER'S SALT
Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERIN
Boehm, F., Ltd.
Price's Patent Candle Co.

GLYCERIN PLANT
Forshaw, E., & Son, Ltd.

GLYCEROPHOSPHATES
Pointet & Girard

GOLD PAINT
Judson, D., & Son

GRINDERS
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

GUMS
Fink, F., & Co.

HAIR WAVERS AND CURLERS
Merkham Trading Co., Ltd.

HAIR PREPARATIONS
Capsuloids (1909), Ltd.
Chesebrough Manfg. Co.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Strange Winter
Oatine Co.
Rebare's Anreoline
Rowland, A., & Sons
To-Kalon Mnfg. Co., Ltd.
Woolleys, Ltd.

HAT DYES
Whitaker & Co.

HAT RENOVATORS
Christy, T., & Co.

HEATING APPARATUS
Clark, S., & Co.
Gutmann, A. E., & Co.
Wright, John, & Co.

HERBS
Carmichael, F. J., & Co.
Potter & Clarke

HOMŒOPATHIC MEDICINES
Ashton & Parsons, Ltd.
Epps, James, & Co.
Keene & Ashwell, Ltd.
Leath & Ross

HOTELS
Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES
Berliner, Arthur
Burge, Warren & Ridgley
Dunlop Rubber Co., Ltd.
Fulham Pottery & Cheavin Filter Co., Ltd
Galen Mnfg. Co., Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Tompkins, James, Ltd.
Wood, Vincent

HYDROGEN PEROXIDE
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

INHALERS
Christy, T., & Co.
Sangers'

INK
Bewley & Draper, Ltd.
Hickisson, A. B.

INSECTICIDES
Christy, Thos., & Co.
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Vaporite-Strawson Co., Ltd.
Voss, Walter, & Co.
Woolleys, Ltd.

INSECT POWDER
Boehm, F., Ltd.
Smith, B. A., & Co.

IODINE AND IODIDES
Howards & Sons, Ltd.
Morson, T., & Son

ITROSYL
Fletcher, Fletcher & Co.

JARS AND POTS
Boling, Brown & Co.
Breffit, E., & Co., Ltd.
Bush, H. W., & Co., Ltd.
Christy, T., & Co.
Cook, A., & Co.
Johnsen & Jorgensen, Ltd.
Kilner Bros., Ltd.
Lang, Jules, & Son
Maw, S., Son & Sons
Poths, H., & Co.
Reuter, R. J.
Stipendum Stopper Co.
Toogood, W., Ltd.

LACTIC FERMENTS
Allen & Hanburys, Ltd.
Cox, Arthur H., & Co., Ltd.
Davies, Sons & Co.
Martindale, W.
Parke, Davis & Co.
Standard Tablet Co
Wilcox, Jozean & Co.

LANOLINE
Burroughs Wellcome & Co.
Christy, T., & Co.

LARD
Chemist's Co-operative Wholesale
Ewen, J., & Sons

LIME JUICE AND CORDIAL
Evans Sons Lescher & Webb
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.
Allen, Stafford, & Sons
Mumford, G. S., & Sons

LINTS
Liverpool Lint Co.
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

LIQUORICE JUICE
Boehm, F., Ltd.
British Drug Houses, Ltd.
Carmichael, F. J., & Co
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.
Allen, Stafford, & Sons, Ltd.
Fletcher, Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.

LITHIA SALTS
British Drug Houses, Ltd.
May & Baker, Ltd.
Merck, E.

LOOFAHS
International Sponge Importers

LOZENGES
Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Jackson, E. E.
Meggeson & Co., Ltd.
Potter & Clarke
Raimes & Co.
Warrick Bros.

MACHINERY, PHARMACAL
Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Fecher, M. J.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.
Pindar, J. W., & Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS
Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MENTHOL CONES
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons

MAILING CASES
Estes, E. B., & Sons

MARKING INK
Hickisson, A. (Bond's)

MEDICINE CHESTS
Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

MALT EXTRACT AND PREPS
Allen & Hanburys, Ltd.
Blackie, R.
British DiaMalt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Lorimer & Co., Ltd.
Montgomerie & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MEASURES
Bush, H. W., & Co., Ltd.

MEAT EXTRACTS
Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Buvo, Ltd.

MERCURIALS
Howards & Sons, Ltd
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS
Darton, F., & Co.

METHYLATED SPIRIT
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd.

MILK APPARATUS
Zimmermann, C., & Co.

MILK SUGAR
Zimmermann, C., & Co.

MINERAL WATERS AND SALTS
Apollinaris Co., Ltd.
British Drug Houses, Ltd.
Hughes, E. Griffiths
Ingram & Royle, Ltd.
"Rocla" Natural Tonic Co.
Vichy (State Springs)

MOTOR GOGGLES
Darton, F., & Co.

MUSTARD
Keen, Robinson & Co., Ltd.

NAPHTHAS
Burt, Boulton & Haywood

NURSES' WALLETS
Hatrick, James L., & Co., Ltd.

OILS, ESSENTIAL
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chem. Co.
Boake (A.), Roberts & Co., Ltd.
Boutin, G. L.
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jakson, J., & Co.
Lautier Fils
Lhermine & Cie.
London Essence Co.
Matthew, Jesse
Mühlethaler, Th., Ltd.
Pasquale, S. F. de, & Fratelli
Poppelreuter, W.
Ransom, W., & Son
Roure-Bertrand fils
Scheller, Emil, & Co.
Schimmel & Co.
Schmoller & Bompard
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Todd, A. M., Co.
Wright, Layman & Umney
Zimmermann, A. & M.

OILS, FATTY, ETC.
Allen, Stafford, & Sons, Ltd.
Price's Patent Candle Co.
Schliemann's Oil and Ceresine Co., Ltd.
Smith, B. A., & Co.

OILS, MINERAL
Carmichael, F. J., & Co.
Price's Patent Candle Co.

OINTMENTS
Blackie, R.
Chemist's Co-operative Wholesale
Oldfield, Pattinson & Co.
Peat Products (Sphagnol), Ltd.

OPTICAL GOODS
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Günther
Raphael's, Ltd.

OTTO OF ROSE
Bontcheff & Kidoff
Pappazoglou, D.
Reitmeyer & Co. (synthetic)
Scheller, Emil & Co.
Seraphimoff, S., & Co.
Shipkoff & Co.

OPTICAL INSTRUCTION
British Optical Institute
ORANGE WINE
Melrose-Drover Co., Ltd.
PACKED GOODS
(*See* Wholesale)
PALATINOIDS
Oppenheimer, Son & Co.
PASTILLES
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Epps, James & Co.
Evans Sons Lescher & Webb
Meggeson & Co., Ltd.
Warrick Bros.
PATENT AGENT
Barker, R. W.
PERFUMES
Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Naef & Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ltd
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Morison, G. H., & Co., Ltd.
Newbery, F., & Sons, Ltd.
Oatine Co.
Original Antiseptic Pastille Co.
Quelch, H. C., & Co.
Southall Bros. & Barclay
Spencer, J., Son & Co.
To-Kalon Mnfg. Co., Ltd.
Warrick Bros.
West, T., & Son
Yardley & Co., Ltd.
PERFUME MATERIALS
Bontcheff & Kidoff
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Lautier Fils
Muhlethaler, Th., Ltd.
Murray, O., & Co., Ltd.
Scheller Emil & Co.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.
PESSARIES
Burge, Warren & Ridgley
Rendell, W. J.
PETROLEUM EMULSION
British Drug Houses, Ltd.
PETROLEUM JELLY
Carmichael, F. J., & Co.
Chesebrough Mfg. Co.
Schliemann's Oil and Ceresine Co., Ltd.
PHOTO. CHEMICALS
Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Merck, E.
PHOTO. ENLARGERS, PRINTERS, &c.
Express Developing Co.
Halifax Photographic Co.
PHOTO. GOODS
Barclay & Sons, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Newbery, F., & Sons, Ltd.
PILL MAKERS
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co. Ltd.
Davies Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.
Woolley, J., Sons & Co., Ltd.
PLASTIC MODELS
Plastio Advertisement Co.
POLISHES (VARIOUS)
Bradley & Bourdas
Judson, Daniel, & Son
Oakey, J., & Son, Ltd.

PLASTERS
Allcock Mnfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.
POSTERS
Ford, Shapland & Co.
PRINTERS
Avery, W. R. F.
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Parkes, John, & Co.
Smith, W. H., & Son
Townsend, J., & Sons
PROPRIETARY ARTICLES
American Drug Stores
Anglo-American Drug Co.
Anglo-American Pharm. Co., Ltd
Ashton & Parsons, Ltd.
Atkinson & Barker
Barclay & Sons, Ltd.
Battle, Son & Maltby
Beecham, T.
Beiersdorf, P., & Co.
Box, W. H.
British Drug Houses, Ltd.
Burgess, E.
Capsuloids (1909), Ltd
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.
Cox, A. H., & Co., Ltd.
Curry, Henry
Daggett & Ramsdell
Daisy, Ltd.
Danysz Virus, Ltd.
Da Silva & Co.
Davenport, J. T., Ltd.
Day & Sons (Crewe), Ltd.
Denoual, J., & Co
Edwards, W., & Son
Evans Sons Lescher & Webb
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co
Gordon, Murray & Co., Ltd.
Grapelax, Ltd.
Guy's Tonic Co.
Henry, T. & W.
Hovenden, R., & Sons, Ltd.
Hughes, E. Griffiths
Ichthyol Co.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Kay Bros., Ltd.
Keen, Robinson & Co., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lambert Pharmacal Co.
Lofthouse & Saltmer
Lorimer & Co., Ltd.
May, Roberts & Co.
Menley & James, Ltd.
Newbery, F., & Sons, Ltd.
Oatine Co.
Odol Chemical Works
Owbridge, W. T., Ltd.
Pedezy Co.
Phillips, Chas. H., Chem. Co.
Reitmeyer & Co.
Resinol Chemical Co.
Sangers'
Schimmel & Co.
Scott & Bowne, Ltd.
Smith, Maurice
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thermogene Co., Ltd.
Thompson & Capper
United Chemists' Association, Ltd.
Voss & Co.
Wilcox, Jozeau & Co.
Zotos, Ltd.
(*See also* Dentifrices and Toilet Articles)
PULVELLÆ
Warrick Bros.
PULVERETTES
Oppenheimer, Son & Co., Ltd.
PUMPS
Berkefeld Filter Co., Ltd.
QUININE AND SALTS
Boehringer, C. F., & Soehne
Carmichael, F. J., & Co.
Howards & Sons, Ltd.
Pointet & Girard

RAPE OILS
Hull Oil Mnfg. Co.
RAZORS
Auto-Strop Safety Razor Co.
Hovenden, R., & Sons, Ltd.
Internationnl Distributing Co.
RENNET
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
RESINS AND RESINOIDS
Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. H., Ltd.
RESPIRATORS
Zimmer & Co.
RUBBER GOODS
Burge, Warren & Ridgley, Ltd.
Davol Rubber Co.
Dunlop Rubber Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Fecher, M. J.
Galen Mfg. Co.
Hatrick, James L., & Co., Ltd.
Haywood, J. H.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
May, Roberts & Co.
Wanklyn, H. A.
Warne, W., & Co., Ltd.
SACCHARIN
Saccharin Corporation, Ltd.
SALICIN
Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.
SAMPLE CASES
Keane, Thomas
SANTONIN
Smith, B. A., & Co.
SAPONIN
Field, C. W.
Sthamer, Dr. R.
SAUCES
Goodall, Backhouse & Co.
SCALE PREPARATIONS
Morson, T., & Son
SCALES, WEIGHING
Maw, S., Son & Sons
Parnall & Sons, Ltd.
Southall Bros. & Barclay, Ltd.
SEA SALT
Tidman & Son, Ltd.
SEA-SICKNESS REMEDY
Zotos, Ltd.
SELTZOGENES
Aerators, Ltd.
SERUMS AND ANTITOXINS
Allen & Hanburys, Ltd.
American Animal Therapy Co., Ltd.
Evans Sons Lescher & Webb
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.
SHEEP-DIPS
Burt, Boulton & Haywood
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
SHOP-FITTING
Ayrton-Graham, Ltd.
Bowling & Son
Congdon & Son
Evans Sons Lescher & Webb, Ltd.
Josephs, P., & Son
Maw, S., Son & Sons
Mills, H.
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barclay, Ltd.
SOAPS
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell (John), Hills & Lucas, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Chesebrough Mfg. Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hull Oil Mfg. Co., Ltd.
International Distributing Co.
Lescol Perfumery Co.
Oakey, J., & Son., Ltd.
Mysantal Co.
Oatine Co.
Pears, A. & F., Ltd.
Peat Products (Sphagnol), Ltd.
Price's Patent Candle Co.
Shaw, Henry, & Co.
Wright, Layman & Umney
SOAP PLANT
Forshaw, E., & Son, Ltd.
SHARES
McAdam & Tuckniss

SOAPS, MEDICATED
Armour & Co., Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. C., & Co.
Lambert Pharmacal Co.
Resinol Chemical Co.
Wright, Layman & Umney
SOAP MATERIALS
Armour & Co., Ltd.
Chiris, Antoine
SODA FOUNTAINS
British Automatic Aerators, Ltd.
SODIUM BICARBONATE
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S.
SOIL INSECTICIDE.
Vaporite-Strawson Co., Ltd.
SOYA OIL
Hull Oil Mnfg. Co.
SPARKLETS
Aerators, Ltd.
SPECTACLES
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther
Raphael's, Ltd.
SPHYGMOMETERS
Hicks, J. J.
SPIRIT OF WINE
Burrough, J., Ltd.
Preston's Liverpool Distillery
SPITTING-FLASKS
Maw, S., Son & Sons
SPONGE BAGS
Maw, S., Son & Sons
Schutze, F., & Co.
Toogood, W., Ltd.
SPONGE STANDS
Wanklyn, H. A.
SPONGES
Interntl. Sponge Importers
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
Sangers'
SPONGES, RUBBER
Wanklyn, H. A.
SPONGIO-PILINE
Whitehead, R. R., & Bros.
SPRAYS
Burge, Warren & Ridgley, Ltd.
Cook, Alfred, & Co.
Davol Rubber Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Parke, Davis & Co.
Reuter, R. J.
STAIN REMOVERS
Hammond Mnfg. Co.
STARCH
Mumford, G. S., & Sons
STILLS, ESSENTIAL OIL
Bennett, Sons, & Shears, Ltd.
STOPPERS
Fletcher, Fletcher & Co.
Stipendum Stopper Co.
SUPPOSITORIES
Cox, Arthur H., & Co.
SURGICAL APPLIANCES
Allen & Hanburys, Ltd.
Bailey, W. H., & Son
Burroughs Wellcome & Co.
Hatrick, James L., & Co., Ltd.
Haywood J. & H., Ltd.
Hutchinson Co.
Maw, S., Son & Sons
Quelch, H. C., & Co.
Reynolds & Branson, Ltd.
Stuart Plaster Pad Co.
Wood, Vincent
Warne, W., & Co., Ltd.
SURGICAL DRESSINGS
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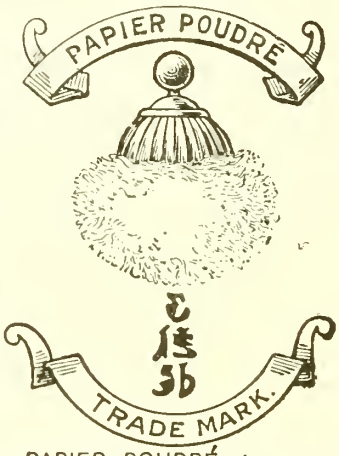

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No. AA 1 1 oz. ... 9/6 per doz. *1/3 each | No. AA 3 3 oz. ... 21/- per doz. *2/9 each
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PHÉNÉTHYLOL, constituent of the natural Oil of Roses.
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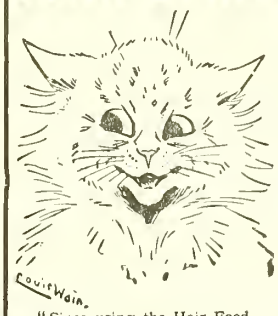

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GENUINE "Gold Medallion." } Guaranteed B.P.

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BERGAMOT, 37 39 % Ester. **ORANGE**, Sweet, Bitter and Terpeneless.

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THE ORIGINAL SOIL INSECTICIDE.

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VAPORITE is well-known to every up-to-date Farmer and Gardener.

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THE ADVANTAGES OVER OTHER CAPPING METHODS AND SKINS ARE SIMPLY OVERWHELMING.

We cannot name them all here in this limited space, but write for full particulars at once. Viscose Caps will save you time, labour, money, and will increase efficiency.

For Capping Everything

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is the ONLY LARD that is made exclusively for Pharmaceutical and Perfumery preparations, and is the

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HARMLESS TO HUMAN BEINGS, DOMESTIC AND OTHER ANIMALS, BIRDS, &c.

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Oak Box.

Both on P.A.T.A. at 3½d.

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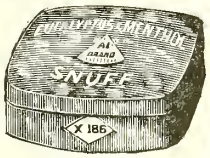

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POWDERED TOILET SOAP.
DELICATELY PERFUMED.
Packed in Prettily Decorated Sprinklers.
Certified by Dr A B Griffiths of London Public Analyst as the "VERY BEST TOILET SOAP." *Antiseptic, Disinfectant & Hygienic.*
Write for Sample Tin to HENRY SHAW & Co DUKINFIELD.

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A NEW FOOT TONIC. The **ONE AND ONLY** specific for
TENDER—TIRED—FŒTID FEET.
A deodorant liquid giving immediate results. A new and **ORIGINAL** preparation that sells at sight.
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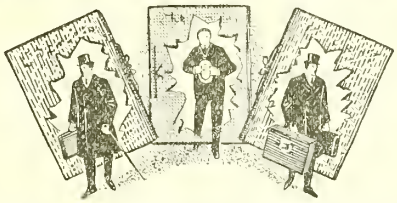

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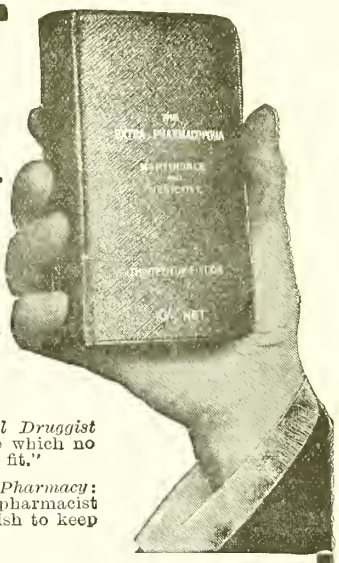

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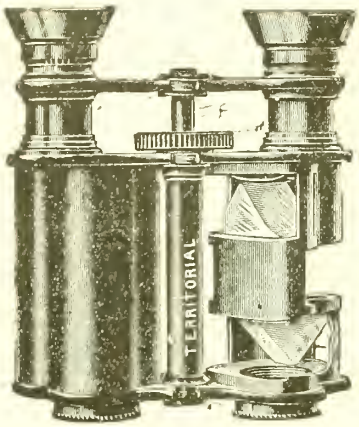

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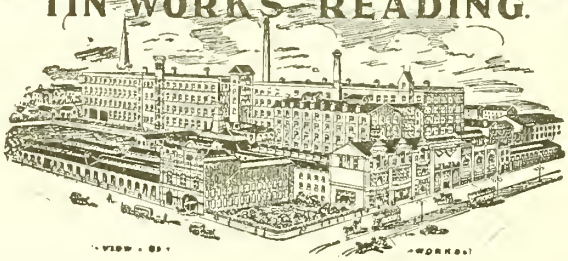

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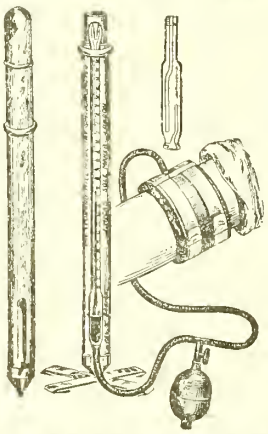

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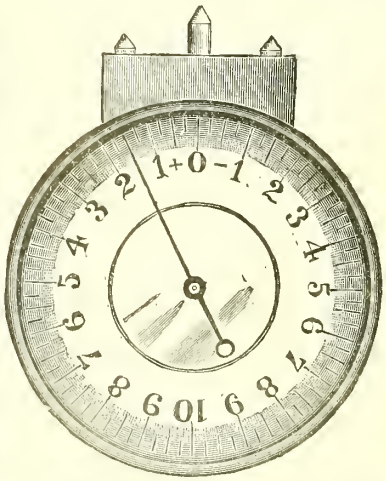

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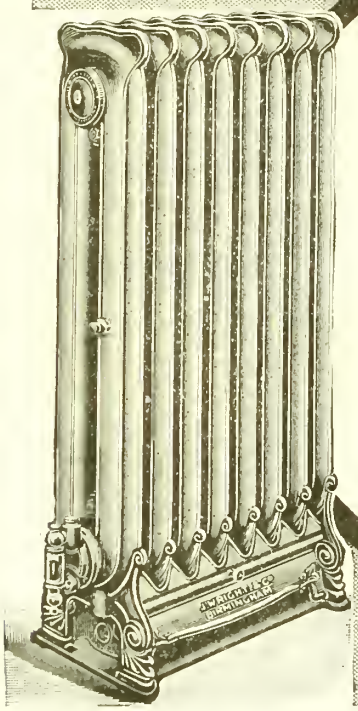

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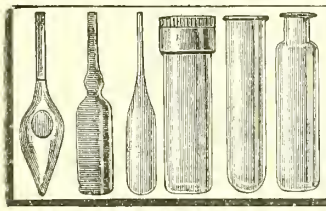
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ALL GRADES AND PACKAGES.
Manufactured by
PREMIER OIL EXTRACTING MILLS, LIMITED,
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Menley House, 39 Farringdon Road, London, E.C.

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GLIDINE = = (A pure Vegetable Protein Food). Retailing at **2/9** and **5/-** per tin.

IODOGLIDINE (An organic Compound of Iodine with pure Vegetable Protein.) Retailing at **3/-** per phial of 20 tablets.

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Price List will be sent on application.

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London. 1908.

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DO YOU Stock it? It means quick sales and a steady profit if **YOU DO**

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All Registered Chemists can sell Wincarnis with Quinine without a licence. Why not you?

Medical men in your district order it often, and there is a large public demand. [19]

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SPECIALITIES, for which they are renowned all over the world . .

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AND AT LIVERPOOL AND BRISTOL.

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ARE READY FOR USE IMMEDIATELY!
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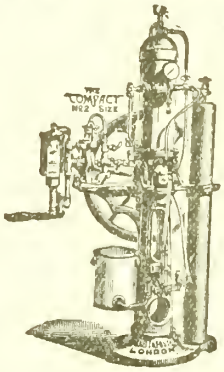

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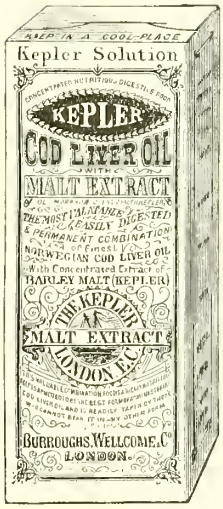
(TRADE MARK)



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Physicians order 'KEPLER' SOLUTION particularly at this season of the year as a vitalising food for brain, bone and muscle. It supplies a reserve of strength to resist the effects of autumnal changes.

Pharmacists should therefore increase their stocks in order to meet the season's demands.

Points that Please Customers

Fig. 1. Showing cap secured by fixing-band

The neck of the bottle has been enlarged to admit a dessertspoon, and the shoulders have been altered so that the contents may be easily and completely extracted.

A neat, close-fitting, cork-lined metal cap takes the place of the cork. It is secured by a metal band which clips the cap and the thickened rim of the bottle *(see Fig. 1)*

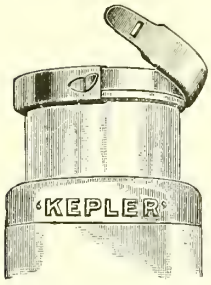

Fig. 2. Showing fixing-band partly removed

To remove cap, the small metal tongue is bent outwards and the slotted end of the band passed over it *(see Fig. 2)*, instantly releasing the cap *(see Fig. 3)*

When replaced, the cap closes the bottle perfectly, protecting the contents from dust, etc.

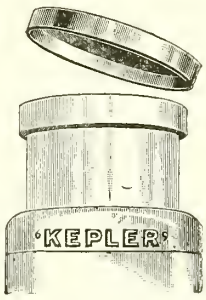

Fig. 3. Showing cork-lined lid raised

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PANOPEPTON presents the entire substance of prime lean beef and best wheat flour in a perfectly soluble, diffusible, and absorbable form. It is at once a grateful stimulant and food.

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A convenient and accurate method of administering pepsin.

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For the preparation of peptonised milk and other predigested foods for the sick.

Originated and Manufactured by
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THE CHEMIST AND DRUGGIST

A Weekly Journal of the Chemical and Drug Trades,
and of
British Pharmacists throughout the Empire.
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The CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by seventeen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

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SUBSCRIBING TO THE "C. & D."

THIS is an exceptionally busy season in our subscription department. It would be a great assistance to that part of our staff if *C. & D.* subscribers whose year expires this month would send in their subscriptions as early as possible, so that there may be no delay in despatching their copies of the 1910 *Diary*. Half-a-sovereign pays for fifty weekly numbers of the *C. & D.*, the Winter and Summer Issues of 1910, and a copy of the *Diary*. This is a good time to begin subscribing. Do not wait until the end of the year—subscriptions may commence in any month, and now is the time to ensure getting a copy of the *Diary* for 1910. It is to be full of good practical articles and just the sort of information that business men need frequently throughout the business year.

Summary of the Week.

Articles and Communications.

The questions at present agitating Java cinchona-planters and the Dutch methods for valuing cinchona are discussed on p. 751.

The common idea that infants cannot digest starch is contradicted by Dr. Cautley, whose "Lancet" article on the subject we comment upon (p. 752).

A contrast between the figures of two departments of a co-operative store shows that the profits on drugs are low because stocks are comparatively large (p. 752).

"Xrayser" discusses Section 4 of the Poisons and Pharmacy Act with respect to apothecaries' assistants. He also touches on medical miracles and the new trade-marks era (p. 749).

The quicksilver market is in a disturbed condition, consequent upon demands coming to London from all quarters abroad and supplies being limited. We review the position in an article on p. 750.

Correspondents deal with the use of the description "pharmacy," chemists' hours, salad oil, prices of patents, and other subjects (p. 763). Several dispensing notes and a large number of replies are included in this section (p. 765).

Mr. Frank Tutin, in a communication to the Pharmaceutical Society at the evening meeting on Tuesday, criticised the ammonia-test for the purity of quinine sulphate, showing that it is a test for the basicity of the salt as well as of impurities (p. 746).

Thursday was the last day upon which the Pharmaceutical Society of Great Britain could lodge an appeal against the decision of the Divisional Court of King's Bench in regard to use of the description "pharmacy" by an unregistered person. The fact is that the Council decided last week to let the matter drop. There is much bitter feeling throughout the country, and this ending to the matter will accentuate it (p. 752).

Trade and General News.

Brief notes on the new Italian Pharmacopœia will be found on p. 739.

A goodly number of chemists have been elected as Mayors, Magistrates, and Town Councillors. See p. 744.

The medicine-stamp tax is still agitating chemists at the Cape. The latest particulars are given on p. 739.

The Cumberland County Council is granting over a dozen Section 2 licences to local traders, whose names are given on p. 753.

Mr. C. J. Milne, of Quetta, and Mr. F. P. Balkwill, F.L.S., formerly of Plymouth, are numbered amongst the dead (p. 743).

Dr. J. J. Dobbie, F.R.S., of Edinburgh, has been appointed to succeed Sir T. E. Thorpe as Principal of the Government Laboratory (p. 758).

The King is conferring knighthoods upon Mr. Jesse Boot, Dr. W. A. Tilden, and Mr. J. H. Harrison, of the Privy Council Office (p. 745).

Parliamentary representation of pharmacists by one of themselves does not grow in favour with them (see p. 767); nevertheless, another pharmacist is in the field—Mr. Wandless, of Whitehaven, who has been selected as Liberal candidate for that constituency (p. 758).

The law cases reported include Nugget polish price-protection, an action regarding the floating of a secret remedy, and the decision in the "Vitaloids" case (p. 740). A Ramsgate chemist who took action against another who sold him a business failed because he admitted that he was an undischarged bankrupt, and trustees of his wife and children advanced the money (p. 741).

Trade Matters.

The market features include a further advance in opium, quicksilver, mercurials, vermilion, platinum salts, and codeine. New saffron is also dearer, while a firmer tendency is also observed in menthol, Japanese refined camphor, Tonquin musk, and podophyllum. China galls are easier (p. 759).

English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

Miss D. Rolason has been appointed as dispenser at the workhouse of the parish of Birmingham.

At the London Sessions, on November 4, Edward Toomey (40) pleaded guilty to breaking into the shop of Boots Cash Chemists (Southern) (Limited), in High Street, Putney, and stealing 51 fountain pens and other articles, value 130*l.*

At Highgate, London, last week an errand-boy employed by Mr. James McRostie, chemist and postmaster, 4 Palace Parade, Hornsey, was bound over for twelve months under the Probation Act, his offence being the theft of 10*l.* from his employer.

"Black and White" published on November 6 a page of photographs of School of Pharmacy students, taken at 17 Bloomsbury Square. "Pharmacy for Women, a Profession by means of which Educated Women may Earn a Living," was the heading to seven photographs.

A distinguished party of scientists visited the Bovril factory in Old Street, E.C., on Saturday, November 6. Archdeacon Sinclair, Dr. Shuttleworth, Sir Hy. Trueman Wood, Sir Robt. Morant, Sir John Batty Tuke, M.P., and Surgeon-General Evatt were in the party, and Sir James Crichton-Browne told them all about Bovril.

The Sheffield golf match between Messrs. J. B. Pater and John Evans on one side and Messrs. R. D. Douglas and Squire on the other, to which reference was made in a recent issue of the *C. & D.*, was played on the Sandygate course on Thursday of last week, and resulted in a win for the first-named pair by four up and three to play.

At the North London Police Court, on November 5, George Frank Foster, chemist and druggist, who was charged by his employer, Mr. James Houseman, of Bewells', cash chemists, 50 Southgate Road, with appropriating certain moneys (*C. & D.*, November 6, p. 700), was bound over for twelve months, his father being surety.

The Islington Coroner's jury, on November 5, returned a verdict of "accidental death" in the case of Elizabeth Williams, aged fifty-one years, the wife of Mr. Charles Henry Williams, a chemist, Dr. Sullivan, of Holloway Road, having proved that death was due to suffocation and shock from burns, the poor woman's night-dress having caught fire while she was in front of a bed-room fire.

The following Blackburn chemists have participated in the window-dressing scheme promoted by the local tradesmen: Messrs. J. W. Aspinall, Preston New Road; Booth & Openshaw, Darwen Street; D. Dawson, King William Street; R. Lord Gifford, Ph.C., Salford; W. H. Grimshaw, Darwen Street Bridge; Raine Bros., King William Street; and J. Rennie, Whalley Range (Secretary of the North-East Lancashire Chemists' Association).

London Chamber of Commerce.

The following have circulated to their members copies of the memorial on railway rates on chemicals and drugs prepared by the Chemical Trade Section of the Chamber: Newry and Penzance Associations; Chamber of Commerce, Luton; Blackpool and Fylde Pharmacists' Association; Wakefield and District Chemists' Association; Association of Wholesale Druggists and Manufacturers of Medicinal Preparations. A large number of signatures have also been obtained from chemists and other traders in various towns and cities not mentioned above.

Chemical Society.

A meeting of this Society was held at Burlington House on Thursday, November 4, the chair being taken by Prof. H. B. Dixon, F.R.S. There were few papers down for reading, and of these only two were read. The first was by Mr. J. F. Thorpe, recently appointed Sorby Fellow at Sheffield University, and dealt with the formation of 1-imino-2-cyano-cyclopentane from adiponitrile. The second paper was by Dr. M. O. Forster and Mr. Gowland, and formed Part 27 of the senior author's series of papers on "The Triazo Group."

Contracts.

Grimsby Town Council.—The Izal Co., for Izal disinfectant fluid at 3*s.* 6*d.* per gal.

The Metropolitan Asylums Board has consented to the transfer of the contract for clinical thermometers from Messrs. S. G. Denton & Sons to Messrs. Perken, Son & Co., Hatton Garden, E.C.

Mile End Guardians.—T. Hodgkinson, Prestons & King, 81 Bishopsgate Street Without, E.C., for drugs, at 476*l.* 12*s.* 6*d.*; Hospital and General Contracts (Limited), 33 Mortimer Street, W., for druggists' sundries, at 256*l.* 15*s.* 5*d.*

At a meeting of the Forehoe (Norfolk) Board of Guardians last week, a letter was read from Mr. G. Maynard, chemist and druggist, Wymondham, complaining that certain druggists' sundries and medical appliances for the workhouse had been put out to tender, although he is contractor for drugs. The Board considered that he had no cause for complaint, as he had had the opportunity of tendering.

Analysts' Reports.

During the past quarter two samples of camphorated oil and one sample of castor oil were analysed at Walsall, and were found to be genuine. The County of Southampton analyst reported similarly on two samples of cream of tartar, and the Bristol analyst during the quarter reported that samples of compound liquorice powder, tincture of iodine, and camphorated oil were genuine, but a sample of fluid magnesia was 51.25 per cent. deficient in magnesium carbonate, and the vendor was proceeded against and ordered to pay the costs of the summons.

Lectures on Essential Oils.

Mr. C. T. Bennett, B.Sc., F.I.C., delivered his fifth lecture at the Borough Institute on November 3, dealing with the chemistry of the terpenes, the physical constants, and the characters of their principal derivatives. The following terpenes and sesquiterpenes were treated: Pinene, its hydrochloride, dibromide, and nitrosochloride, nitroso-pinene, camphene, limonene, dipentene and their derivatives, sylvestrene, carvestrene, phellandrene, terpinene, terpinolene, thujene; cadinene, caryophyllene, clorene, cedrene and humulene. The constitutional formulæ, as far as they are known, were briefly discussed.

Birmingham Notes.

Quinton, an interesting residential hamlet on the borders, has been annexed to Birmingham, and at the inaugural *fête* of commemoration Mr. F. Barlow represented the King's Norton Board of Guardians.

Last Saturday two lady travellers called on pharmacists with a dainty travelling case. They were emissaries of Formamint and Sanatogen, and were well qualified to sing their praises. But, "is it fair to trouble busy folk on busy days?"

Mr. H. Buckingham, of Aston, who has been appointed Secretary of the Midland Association of Pharmacists, is from Coventry, but has seen much Birmingham service. He at one time was assistant with the late Mr. Perry, and is a very energetic man who ought to make the pace and keep the Association up to its present excellent state of organisation.

Optical Federation.

At a meeting of the Manchester and North of England Optical Society on November 3, the President (Mr. J. C. Kidd) opened a discussion on a scheme proposed by Mr. Atkinson for federating optical societies with a view to obtaining a legal status for qualified opticians. The Spectacle-makers' Company are doing nothing in the matter, and the time has arrived for some other move to be made. Mr. W. McIntyre thought the examination scheme of the Spectacle-makers' Company evidence that something was being done for the trade, but the President pointed out that the Company did this because the British Optical Association inaugurated a diploma scheme. Mr. Atkinson thought that a federation of optical societies would be listened to by the Spectacle-makers' Company, and if a good case was made out the desires of the trade would be

recognised. He suggested a conference of representatives of the various associations. Mr. McIntyre thought the action would be premature, and moved an amendment which altered the object of the federation to "mutual aid and advancement," but it was ultimately agreed to promote a federation with the ultimate object of obtaining State recognition. The conference, it was suggested, might be held in Manchester early in 1910.

The Bodie Business.

During the hearing of the Bodie 1,000*l.* case Mr. Justice Darling had the following document put in by a witness:

Dr. Walford Bodie's special prescription for paralysis, etc. The liniment:

Camph. oil	2 oz.
Spirits of turps	2 oz.
Oil of thyme	1 oz.
Meth. chloroform	½ oz.
Liq. ammon.	$\frac{1}{16}$ dr.

The liniment to be rubbed well into parts affected.

Note.—Care should be taken in dispensing this prescription.

It may not be generally known that Bodie was a member of the British Pharmaceutical Conference during 1906 and 1907. The entry in the list of members was S. M. Bodie, The Manor House, Macduff, N.B.

All-red Route Round the World.

Mr. A. Barton Kent, F.R.G.S., whose business trip round the world was recently referred to in the *C. & D.*, gave a lantern lecture on it in the large hall of the Northampton Polytechnic Institute, St. John Street, Clerkenwell, on Tuesday evening, November 9. The slides were prepared from photographs obtained by means of an ordinary pocket camera with films of the ordinary postcard size. The distance he covered in his journeys was equal to a trip one and a-half times round the globe, and was completed without having left British territory. A delighted audience was taken in succession through India, Ceylon, the Australian Continent, Tasmania, New Zealand, Honolulu, and Canada. Mr. Kent's remarks were interspersed with humorous accounts of his experiences, and, in concluding, he said that the great lesson he learned as a result of the tour was the need for a closer union between the people of the Mother Country and those of her great dependencies.

Obesity Tablets.

The Hammersmith Coroner (Mr. C. L. Drew) held an inquest on November 9 on the body of Sarah Hasdale (58), who died on November 6. The woman was a servant with Mrs. Roberts, Pennard Road, Shepherd's Bush, who gave evidence that deceased suffered from swollen knees, and had been attended by Dr. Owen and Dr. McCarroll. Dr. Owen had given the woman three bottles of medicine and told her not to call again. At deceased's request Mrs. Roberts answered an advertisement in the "Daily Mirror" of the Nelson Lloyd Reducing Treatment, and on the morning of the death the woman had taken two of the tablets. The treatment was stated to be perfectly safe.—Dr. McCarroll, who was called in on the morning of the death, said deceased was in an advanced state of dropsy.—Dr. B. H. Spilsbury, who made a *post-mortem* examination, said death was due to heart-failure from degeneration of the heart muscle secondary to the degeneration of the coronary arteries. He could not say, without knowing the composition of the tablets, whether death was accelerated by them.—Mr. Frank Derry said he was the owner of the business carried on as Nelson Lloyd at 37 Bond Street, W., and had on his staff a medical man who was not registered. Witness had been secretary to a medical man. Asked as to the ingredients of the tablets he said he could not remember the first, but the tablets also contained extract of seaweed and cascara. His system was to send a free sample to those who answered his advertisements, and enclose a consultation form, which would be reported on by the medical expert. The Coroner asked if the tablets contained thyroid extract as stated in a published analysis, and witness replied, "No, sir; I have never purchased any in my life." The inquiry was adjourned for an analysis of the tablets to be made.

Football.

A match between the Pharmaceutical Football Club and a team from the London College of Pharmacy was played, in lovely weather, last Saturday, on the Pharmaceutical Society's ground at Shepherd's Bush. The visitors soon showed their superiority, which was well maintained throughout the game, their goal-keeper having had very little to do, with the result that the Square team were beaten by 11 goals to 2. Several of the Square's best players were unable to be present. The first match in connection with the Inter-Pharmacy League will be played at Shepherd's Bush on November 20.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Retail Drug Association.

The price-list which is being compiled by the committee of the Dublin Retail Drug Association is about half finished. Some trouble has been caused in the matter of the special discount which some members of the Association allow to the Civil Service Guild.

Personal.

Mr. D. Nugent, son of the late dispenser to the Croom Union, has been elected to the position vacant by the death of his father.

At Newcastle, co. Down, on November 4, Mr. Robt. Hastings, J.P., pharmaceutical chemist, presided at a presentation to the Earl and Countess Annesley on the occasion of their home-coming.

Mr. John Smith, pharmaceutical chemist and President of the Pharmaceutical Society of Ireland, has successfully maintained an action at law in the High Court to recover possession of premises in Lower Sackville Street, Dublin, from a tenant who refused to quit at the end of his letting.

Scots News.

Local Newspapers containing marked items of news interesting t the Trade are always welcomed by the Editor.

Personal.

Mr. James Laidlaw Ewing has been re-elected Master of the Edinburgh Company of Merchants.

Mr. William Cummings, chemist, Thurso, as a member of the local bowling club, won a pair of bowls as the result of last season's play, and they were presented to him at the annual meeting last week.

Edinburgh and District.

The Pharmacy Football Club has already played four matches this season, and last Saturday, at Inverleith Park, beat the corporals of the 7th Battalion Royal Scots by 4 goals to 1. The following officers have been elected for the season: Captain, Mr. Geo. G. Margach (Raimes, Clark & Co., Ltd.); vice-captain, Mr. A. Mein (J. F. Macfarlan & Co.); and secretary, Mr. J. D. Keddie (Harkness, Beaumont & Co.).

Tickets that make a personal appeal to prospective purchasers are being used to a greater extent. The forerunner of the series, "The kind your grandfather used," was coined by a city pharmacist to assist the sale of liquorice-juice. One of the windows of a pharmacy situated in a busy thoroughfare is filled with a new preparation for the skin, temptingly ticketed with such seductive business forcers as, "If you don't wish to be beautiful avoid ——," and "A red nose is not a pretty companion," etc. A Leith pharmacist, similarly advertising a cough-mixture, is employing a card with "The kind your grandmother used" inscribed thereon.

In the Edinburgh Court of Session on November 6, Lord Guthrie granted a divorce to Jessie C. Pottie, or Murray, 14 Greenlaw Avenue, Paisley, wife of John Murray, chemist and druggist, sometime residing at 14 Wellmeadow Street, Paisley, thereafter in Macclesfield, England, but whose present address the plaintiff did not know. At the time of the marriage, in 1894, the defendant managed

a branch drug-store of Messrs. Cockburn's in Paisley and afterwards managed their Glasgow place. In 1898 he began business for himself in Paisley, but in December 1899 went to a firm of chemists in Macclesfield. In 1900 he left the house, and Mrs. Murray had not seen him since, and as a nurse has supported herself and her surviving child.

Glasgow and the West.

Mr. Joseph Kemp, chemist and druggist, has acquired the business of the late Mr. Anderson, chemist and druggist, Kirkintilloch.

The business of the late Mr. Thos. Hyslop, chemist and druggist, Possilpark, has been purchased by Mr. J. Richardson, chemist and druggist.

The Glasgow University Company of Honourable Alchymists met on November 9, when Professor G. G. Henderson, M.A., D.Sc., F.I.C., delivered a lecture on "Some Research Work on the Terpenes."

Mr. Frederick Soddy opened the session of the Royal Philosophical Society of Glasgow on November 4 with a lecture on the origin and production of radium. He came to the conclusion that we have not yet arrived at a complete knowledge of the transformations which take place in the formation of radium from uranium.

Walford Bodie made his first public appearance since the law case last week at the Coliseum Music Hall, Glasgow, on Monday evening, November 8, for a turn of twenty to thirty minutes, but students were present in force and pelted him with pease-meal and eggs, so that he had to retire at the end of seven or eight minutes. His second performance the same night was free from the student element, yet was much interrupted.

Canadian News.

(From the "C. & D." Correspondent.)

Spiritus Ætheris Nitrosi.—Bulletin No. 167 of the Inland Revenue Department, Ottawa, deals with seventy-seven samples of spirit of nitrous ether. The minimum standard adopted is 1.75 per cent. of ethyl nitrite, and forty-eight of the above samples were returned as adulterated. Four samples contained no ethyl nitrite and fifteen less than a half per cent. In 1891 nine samples were examined, and three proved deficient. Mr. A. McGill, the chief analyst, states that it is evident that the retail druggist must be held responsible for the proper strength of this article, especially when the container is frequently opened.

Spirits from Wood.—The Canadian Section of the Society of Chemical Industry met in the St. Lawrence Hall, Montreal, last month, when Professor Ruttan, of McGill University, read a paper on the manufacture of ethyl alcohol from sawdust and other wood waste. In the course of his remarks, Professor Ruttan pointed out the cost attending the present methods of producing alcohol. The cheapest method, he said, is by obtaining the fermentable sugars from Indian corn, but even this is an expensive process. These sugars, Professor Ruttan contended, can be obtained from waste sawdust, which is generally either allowed to accumulate in unsightly hills, or has to be consumed in special destroyers. From a ton of sawdust twenty gallons of 94-per-cent. alcohol can be produced, bringing down the cost from about 24c. to 2½c. per gal. Dr. Ruttan stated that from 6,000 lb. of wood he obtained 115.92 gals. of proof spirit, or 66.16 gals. of 94-per-cent. alcohol. This works out at 20.555 gals. per ton of sawdust, calculating the wood on a dry basis, and 14.11 gals. per ton calculated on a wet basis. In this connection Mr. D. T. Bremner, chemical engineer, Chicago, is exploiting a process for the production of alcohol from sawdust, of which he and Mr. R. C. Plummer are the inventors. Mr. Plummer states that his process is now in full operation in the United States, and he is in Montreal to confer with capitalists with a view of forming a company to work the Dominion of Canada. This alcohol, he claims, is 188 per cent. proof. Mr. Bremner's idea is to get lumbermen interested and provide the equipment, the lumbermen to pay a royalty on each gallon. By this process it is claimed that 22½ gals. of high proof alcohol can be produced from a ton of dry sawdust, which is worth about 20c. A ton of corn produces 90 gals. of alcohol, but the raw material costs $20 at present prices. The cost of producing alcohol from corn is 28c., from molasses 26c., and from sawdust 6c. There are many thousands of tons of sawdust annually wasted or destroyed in Canada.

French News.

(From the "C. & D." Paris Correspondent.)

An Echo of the Blois Tragedy.—The poisoning of M. Blanc, pharmacist, of Blois, by his assistant out of revenge, will still be fresh in the memory of our readers. Another former assistant in the same pharmacy, named Amiot, has just been arrested with his wife. The latter appears to have followed the profession of sorceress in up-to-date fashion.

The Scientific Work of Gustave le Bon.—Prof. Edmond Picard, of Brussels University, has published a sixpenny pamphlet on the scientific work of Gustave le Bon, who holds that matter ought not to be considered as imperishable, that it passes from a weighable state to a state of unweighable energy, and that force is not a property of atoms, but is nothing else but the atoms themselves.

How to Eat Scientifically.—The exceptional competence of Principal Pharmacist Balland (ex-analyst at the War Department Laboratory at the Invalides) in matters of alimentary chemical analyses gives a special interest to his new volume, "How to Choose Food and Draw up a Menu." He explains the composition, possible adulteration, and preferable mode of cooking the various animal and vegetable foods, and finds room for an entertaining sketch of culinary history from the primitive early Greek *menus* to the delicate feasts of decadent Rome, and particularly the French table from the coarse, mediæval banquets to the dainty dinners of the Regency and Louis XV. period of which Paris still endeavours worthily to uphold the traditions.

A Man's a Man for a' that.—A laboratory porter's post would, one would think, leave little room for celebrity, yet M. Jacques Rollet will leave the Montpellier School of Pharmacy accompanied by the gratitude and good wishes of hundreds of past and present students. He is now about to take a well-earned rest and a pension to which he is entitled by thirty years of faithful service. Needless to say his acquaintance with pharmacy was like Sam Weller's knowledge of London—"extensive and peculiar." He was a godsend to nervous students preparing for the exams. and dreading some of those "catches" in which some professors are supposed to delight. But friend Jacques had had time to study alike the examining professors and their favourite specimens for identification, and would give the young fellows "straight tips" of a technical character for the identification of similar substances, etc., which earned him their sincere esteem; while the authorities have acknowledged his long and faithful service by nominating him "Officer of Academy."

Fraud in Mineral Waters.—Mention has already been made from time to time in the *C. & D.* of frauds in the manufacture and sale of mineral waters in France, which have taken so serious a development of recent years. An interesting statement, having official sanction, has now been published in the report on the Budget of the Ministry of Agriculture. The reporter, M. Noulens, Deputy of the Gers, does not hesitate to say that this traffic in fraudulent mineral waters has taken great extension of recent years, and is even carried on as a regular industry. As an example he cites that on the premises of one firm the anti-adulteration inspector found a complete installation for making imitation mineral waters with a large supply of sodium bicarbonate. A stock of something like 55,000 capsules and bottles was also found ready for use, bearing the names of "Vals" and Evian, etc. The books of the firm showed that within three months no fewer than 46,000 bottles of spurious Vichy water had been prepared and sold. On calling at another mineral-water warehouse similar conditions prevailed, and it was discovered that the proprietor had made up in the course of three years 500,000

bottles of imitation Vichy water and over 100,000 bottles of Roche Santeuil. Various prosecutions have taken place from time to time with regard to these frauds, but these remarkable semi-official statements just published will probably do something to check the vogue in mineral waters which has been so noticeable of recent years in France.

Colonial and Foreign News.

British Chamber of Commerce at Smyrna.—In February 1909 a British Chamber of Commerce was established at Smyrna, with a membership of over 100 in Smyrna alone, comprising business men of all nationalities interested in British trade. There are over forty members in the United Kingdom. The Chamber co-operates with that of the British Chamber of Commerce in Constantinople.

German Pharmacopœia.—It appears that the present edition of this pharmacopœia is exhausted, and there is no possibility of obtaining a single copy through the usual channels. The new edition will not be issued before June 1910, and as every pharmacy is obliged to be provided with a copy of the existing official pharmacopœia, the "Pharm. Zeit" asks, how is the holder of a new concession to comply with this requirement?

Manufacture of Lecithin.—The Director of the Istituto Terapeutico Italiano, Dr. Zanoni, has elaborated a new process for the preparation of lecithin on a large scale, which, in spite of the high price of alcohol and ether in Italy, will enable that establishment to compete successfully with the product imported from abroad. It is computed that Italy makes use of about 400 kilos. of lecithin annually, all of which has hitherto been imported from France and Germany at a cost of 4,000*l*.

The German Apotheker complains with increasing bitterness of the illegal competition of druggists, and, in spite of the fact that many forbidden goods are found when inspecting drug-shops, the Government has not succeeded in preventing druggists from continuing to sell many articles reserved solely to apothekers. To defend themselves, the apothekers have decided to report to the police every case that comes to their knowledge of a druggist selling an article he is not allowed to stock. The druggists intend to retaliate, and their Association demands that apothekers' transgressions should also be exposed.

Mineral Waters in Brazil.—The foreign trade in mineral waters has greatly diminished, owing to the excessively high import-duty levied on foreign waters (3.66*d*. per lb., bottles included) and the privilege granted to local bottlers of natural waters of importing bottles free of duty (a despatch-fee of about 11½ per cent. being charged, however). As a consequence, foreign waters can only be sold at about 2*s*. per bottle, this enabling natural waters to be sold at 1*s*. 3*d*., a price which permits of a large profit to both retailer and bottler. Mineral-water springs exist at various points, chiefly in the State of Minas Goraes, and enjoy a high local reputation.

New Italian Pharmacopœia.—The Italian Minister of the Interior has approved the text of the new Pharmacopœia to replace the second edition issued in 1902, and has sanctioned the printing of the new work. The new edition will be provided with the following official appendices:

1. A table of the medicaments that must be stocked in every pharmacy.
2. A table of apparatus and utensils indispensable to every pharmacy.
3. A list of preparations to be kept in a separate cupboard under lock and key.
4. A list of substances to be stocked and protected from light.
5. A list of substances included in the Pharmacopœia which may be sold by any person, but in not less quantities than stated against each preparation, and in the case of poisons subject to the special regulations.
6. A table of non-alimentary preparations, or those used for domestic purposes of which the sale is not subject to any restrictions, except in the case of poisons.
7. A table of maximum doses of medicines which may not be overstepped by the pharmacist in dispensing unless accompanied by a special declaration of the prescribing physician.

South African News.

(From the "C. & D." Correspondents.)

Cape Colony.

Pharmacy Act Contravention.—At the Wynberg Police Court on October 15, S. A. Gribben, described as a veterinary surgeon, was charged with contravening the Medical and Pharmacy Act by dispensing a prescription, he not being possessed of the necessary qualifications and licence. The police prosecuted. Evidence showed that the licence of the shop was in the name of R. S. Smiles, who was away up country, and a certificate from the Colonial Secretary showed that accused was not a qualified chemist. The case was remanded.

An Exhibition to celebrate the Union of South Africa and the opening of the first United Parliament was proposed to be held in Cape Town, and a representative committee was formed. When the Colonial Premiers (Mr. John X. Merriman and General Botha) were interviewed by the committee, they (the latter) were informed that it was not deemed advisable, during the short period that would elapse before union takes place, to endeavour to organise such an exhibition, but to wait two or three years longer and arrange one of an international character. Although general regret is expressed at the Premiers' attitude, there is little doubt that the proposed exhibition will be abandoned.

Medicine-stamp Act.—This is the subject which excites most interest in drug-trade circles in Cape Colony at present. So far the Government have given no official indication of how the Act of 1908 is to be amended, in order that evasions may be obviated, but Mr. Merriman, the Prime Minister, has on several occasions recently referred to the tax, particularly in comparison with a duty of one halfpenny per packet he is putting on cigarettes. Speaking in the Cape Parliament on October 12, he said:—

"He was pleased with the Patent-medicine tax, though not so much with the Bill, which was not a legislative triumph. But the tax was a remarkably good one, and it was cheerfully paid up. A man thought much more of a box (mentioning a well-known proprietary pill) when he paid a sixpenny stamp, and he was sorry he could not increase that."

From utterances of this kind it is obvious that there is no intention in Government circles of abolishing the medicine-stamp. Neither does it seem likely that the wholesale portion of the trade are to be made responsible for the carrying out of the provisions of the Act, this being probably due to the fact that several large firms other than wholesale chemists import medicines liable to stamp-duty. If the onus of stamping is thrown on the retailer, as in last year's Act, it is fairly certain that while the Government will be able to ensure its enforcement in the towns considerable revenue will be lost in country districts, where strict supervision will be a matter of great difficulty. In outlying districts the patent-medicine trade is almost entirely in the hands of the general dealer, and as all his customers are personally known to him it seems extremely unlikely that any system of trapping will be successful, although it is reported that a special staff is to be provided to enforce the provisions of the Act throughout the Colony.

Smoking Concert.—A very successful smoking concert under the Pharmaceutical Society's auspices was held at the Royal Hotel, Cape Town, on the evening of October 14. The occasion was chiefly to mark the inauguration of the new headquarters in Mercantile Buildings, Hout Street. The President (Mr. W. H. Froembling, Ph.D.) was in the chair, and among those present were Messrs. J. A. Mathew (of Heynes, Mathew & Co.), member of the Colonial Pharmacy Board, A. J. Rivett, J. Sowden, W. Aitken, G. Cleghorn, J. Patterson (Burroughs Wellcome & Co.), C. Merry, C. Weller, C. L. Tayler, J. Clayton Smith, H. E. Cope, and A. Tyrie. A capital programme, which was thoroughly enjoyed, was rendered by Messrs. A. Tyrie, W. Williams, G. T. Phillips, A. B. Jones, P. R. Maspero, R. K. Mathew, and H. E. Cope. The President, in the course of a short address, said that one of his predecessors in the chair had made the remark that the aim of their Society was not to accumulate capital, as it was not a

business concern. He agreed with that, but still the Society's affairs should be conducted in such a way that funds would be available for further development. It was hardly necessary for him to say that whatever profession or business a man exercises nowadays he was bound to take into account the latest discoveries referring to his calling, if he wished to be successful. On the other hand, scientific accomplishments could only be arrived at by associating brains with capital. They were celebrating that night the inauguration of the library in connection with the Society, and he hoped those present would act as godfathers and help the committee to make it useful. The attendance had been most gratifying during the two months it had been open, the number of attendances being 200 with an average number of six students. (Applause.) A vote of thanks to the artists was proposed by Mr. J. Sowden, and the singing of the National Anthem terminated a very pleasant evening.

Natal.

No Pass.—At the quarterly final Chemist and Druggist's examination held at Maritzburg on October 15 four candidates were examined, all of whom failed to satisfy the examiners.

The Excise returns show the following figures: Manufactured Spirits.—Compounded spirits, 1908, 441 gals.; 1909, 149 gals. Methylated spirits, 1908, 11,704 gals.; 1909, 11,185 gals. Deliveries from distilleries and warehouses—rectified spirits sold to chemists and druggists, 1908, 275 gals. Methylated spirit, for consumption in Natal, 1908, 2,075 gals.; 1909, 1,825 gals.; for export by sea, 1908, 1,765 gals.; 1909, 6,095 gals.; for export overberg, 1908, 4,914 gals.; 1909, 1,009 gals. The revenue collected in Durban and Maritzburg during 1908 amounted to 2,651*l.* 13*s.* 3*d.*, in 1909 to 2,826*l.* 16*s.* 4*d.*

India and the East.

(From the "C. & D." Correspondents.)

Mr. A. C. Allen, who has just finished his agreement with Messrs. Treacher & Co., Bombay, has gone to Messrs. Fitch & Co., chemists, Mussoorie.

Japanese Potassium Chlorate.—The Electric Chemical Polytechnic Co. to manufacture potassium chlorate has been established under the promotion of Mr. K. Okura and others. The initial general meeting was recently held in Tokyo, and it was decided that the main office will be in Tokyo and the factory in the vicinity of Lake Inawashiro in Iwashiro province. The capital of the company is 350,000 yen.

Drug-analysis.—At the Hygienic Laboratories at Tokyo, Yokohama, and Osaka, the following totals of chemicals and drugs were examined during March and April 1909, on behalf of the Ministry of the Interior: Pharmacopœia Japonica preparations—Poisonous, 21,680 (129); dangerous, 164,437 (865); ordinary, 254,460 (257,762). Other drugs and chemicals—Poisonous, 3,056 (6); ordinary, 1,170 (47). The first figure is the number which passed the standard and the figures in parentheses the totals rejected.

Medicinal Exports to Manchuria.—The value of medicines and proprietary remedies exported from Japan to Manchuria has increased steadily since their introduction, with the exception of the abnormal year 1905. The imports of these supplies at Tairen-Wan amounted to 183,123 yen in 1908, against 43,853 yen in 1907, while the value of this class of goods arriving from January to March of 1909 totalled 45,371 yen. The Japanese exporters feel sanguine about passing the 300,000-yen mark during the year. The proprietaries mainly in demand are "Jintan," "Hotan," and "Seishintau." During the spring articles valued at 15,000 yen were re-exported from Tairen-Wan to other Chinese ports.

Cyprus Exports.—Among the exports from Cyprus during 1908 were the following: Aniseed, 1,110 cwt., valued at 1,205*l.*, against 1,958 cwt., valued at 2,256*l.*, in 1907; colocynth, 59 cwt., valued at 251*l.*, against 237 cwt., valued at 656*l.*, in 1907; and sponge, 1,454 okes, valued at 3,138*l.*, against 8,414 okes, valued at 19,004*l.*, in 1907.

Legal Reports.

High Court Cases.

Nugget Polish Prices.

In the Chancery Division, before Mr. Justice Swinfen-Eady, on November 2, Mr. A. J. Walters, K.C., mentioned the case of the Nugget Polish Co., Ltd., against Pocock Bros. He said the Nugget Polish Co. entered into contracts with tradesmen for the sale of their goods at certain prices. He had a motion for an injunction to restrain the defendant from committing a breach of the agreement by selling at a lower price. Mr. Macnaghten appeared for the defendant and consented to treat the motion as the trial of the action. His Lordship approved, 10*l.* as damages being awarded as agreed upon.

The Nugget Polish Co., Ltd., *v.* R. H. Ashman & Co., of Old Kent Road, Bermondsey, came before Mr. Justice Parker on the same day, and at the request of counsel for the defendants it was allowed to stand over for a week, the defendants undertaking, in the meantime, not to sell any Nugget goods at any prices or under any conditions prohibited by the agreement of February 22, 1905.

Financing a Patent Medicine.

In the Chancery Division on November 5, Mr. Justice Swinfen-Eady heard a motion in the action of Felix Dorn against Thomas Holme Yeomans, in which the plaintiff asked for an injunction to restrain the defendant from expending the sum of 500*l.* paid by the plaintiff to the defendant in August last pursuant to the terms of an agreement dated August 20, made between the defendant and the plaintiff, otherwise than in payment of the costs of registration of the company referred to in the agreement. Mr. Whinney, for the plaintiff, said the agreement provided for the sale of certain property. The plaintiff was to entrust the defendant with certain money which the defendant was to use in forming a company, but if the defendant did not form the company, the plaintiff had put in a clause that he was not to use the money for any other purpose. The agreement sprang out of an advertisement by the defendant for some one to find capital for his business, promising 1,000*l.* a year and a share of profits. The parties met and discussed terms and the agreement was signed, the plaintiff giving 500*l.* The business related to a secret process for making patent medicines, and the defendant, with the funds to be provided by the plaintiff, was to form a company with a nominal capital of 6,000*l.*, the company to have the exclusive benefit of the secret process. The purchase price to be paid to the defendant was 5,000*l.* His Lordship ascertained that the secret process had been deposited in a sealed envelope, and at his suggestion Mr. Yeomans was called.

Replying to his Lordship, he said part of the 500*l.* he used on his holiday, part he used in expenses trying to find offices, part he used for his living since August 20, part he spent in travelling about and in advertising for travellers, and part in business expenses. He had a portion in the bank, and 50*l.* he lent, for which he had securities, and that sum was to be repaid on November 11.

After remarks from Mr. Coldridge, his Lordship said there was a contract that the money was to be applied in a particular way. The parties must keep to their contract. His Lordship added that he must protect what remained of the money, and he thought an interim receiver ought to be appointed of the balance remaining in the bank and of the 50*l.* to be repaid. Mr. Coldridge said it would be less expensive to deposit the money in the bank in the joint names of the solicitors. His Lordship agreed, and directed accordingly, adding that counsel should put their heads together in order to arrive at some working agreement.

The "Vitaloids" Case.

On November 6, Mr. Justice Walton, sitting in the King's Bench Division, gave judgment in the case of Smith's Advertising Agency *v.* the Leeds Laboratory Co., Concord Street, Leeds (see *C. & D.*, November 6, p. 705). The claim by plaintiffs was for 1,835*l.*, part of which the plaintiffs had expended and part of which was for commission in advertising the defendants' goods—a patent medicine called "Vitaloids." Defendants issued their advertisements through the plaintiffs, and adopted a method of competitions

called limericks and missing words, and, following a decision of the Court of Appeal, when the writ was issued for payment of their account, put forward a defence to the effect that the competitions being lotteries, and the plaintiffs knowing that and being participators in the issuing of the advertisements, they could not succeed in their claim. This was denied by the plaintiffs, who said the competitions were not illegal, and if they were, they were not responsible for their insertion, they having acted on the instructions of the defendants. His Lordship now gave judgment sustaining (but with difficulty and hesitation) the defence, and entering judgment accordingly against the plaintiffs. Mr. Ralph Bankes, for the plaintiffs, said there was yet the question of the amount of the claim to be considered, but his Lordship said he would not deal with that until after the parties had decided as to the matter of appeal. Either party would have liberty to apply. His Lordship also said he had not considered the position of Mr. McDowell in respect to the matter, for he had only decided the question of the legality of the competition, which was the important point in the issue.

Sale of Food and Drugs Acts.

Camphorated Oil.

At the Abergele Police Court on November 8, John Hannah, chemist and druggist, Abergele, was summoned, under Section 6 of the 1875 Act, for selling camphorated oil which was deficient in camphor to the extent of 39.1 per cent. Inspector Jones proved the purchase, on September 21, of 6 oz. of the oil and division of the sample. He produced the analyst's certificate showing the deficiency.

Defendant: Did you buy the 6 oz. in one quantity?—No.

Are you not supposed to buy it in one quantity?—No, not so long as it comes from the same receptacle at the same time and is mixed in the same bottle.

Asked what he had to say in reply to the charge, the defendant stated that the oil was made up by his assistant, who left it on the stove too long, and he told his assistant not to put it in the shop, as he was not satisfied with it. The assistant left it on the stove for two days, and did not make it air-tight, and so the camphor evaporated.—The Inspector here stated that a previous sample was taken and it was found to be deficient, and in consequence of that this sample was taken.—The Chairman said that did not affect the case, but the Bench considered that a technical offence had been committed and imposed a fine of 5*s.* and 7*s.* 6*d.* costs.

County Court Case.

A Ramsgate Chemist's Business.

At the Ramsgate County Court on November 3, before Judge Shortt, Joseph R. Sanderson, chemist and druggist, 25 Queen Street, Ramsgate, sued Harry E. Osborne, chemist and druggist, Ramsgate and London, to recover 100*l.* as damages for alleged depreciation of stock and misrepresentation in connection with the sale of the business at 25 Queen Street. Mr. Jas. Emery, solicitor, appeared for the plaintiff, and Mr. G. Thorn Drury, barrister (instructed by Mr. J. Thorn Drury), was for the defendant.

Mr. Emery explained that the case arose out of the purchase of a business which was transferred on January 2, 1908, and in connection with which fraudulent misrepresentation was alleged. In 1907 the plaintiff advertised in The Chemist and Druggist for a chemist's business, and received a reply to that advertisement from defendant, who offered to sell his business at 25 Queen Street. Two or three letters passed between the parties. Defendant said he had a genuine business for sale, capable of development by personal attention. It had been under management for some years. The rent was 66*l.* a year and eight years of the lease was unexpired, and was renewable at the same rental. The upper portion could be let to a dentist for 36*l.* a year. The accounts showed that the annual takings amounted to about 700*l.*, one-third of which was net profit. The price defendant asked for the business was the amount of the valuation of stock and nothing for goodwill. He estimated the stock at from 400*l.* to 450*l.* in value, and it was all saleable and up-to-date. The business had been established 100 years. He (Osborne) had had it thirteen years and it cost him 95*l.* 13*s.* Plaintiff was invited to go to Ramsgate and investigate matters, and there he saw defendant, who produced the takings book, in which the yearly takings were shown as follows: 1903-4, 680*l.*; 1904-5, 780*l.*; 1905-6, 791*l.*; 1906-7, 692*l.*; 1907-8, 737*l.*; which gave an average of 700*l.* per year. The defendant carried on a dental business as well, and plaintiff would endeavour to show that, instead of these takings being for the chemist and druggist's business only, they were partly for the dentist's business. Plaintiff eventually took over the stock at a valuation of 390*l.*, but he soon found that much of the stock was extremely old and unsaleable. He took possession and conducted the business personally. He put in a new shop-front, yet the returns at the end of the first twelve months, instead of being 700*l.*, were only 392*l.*, despite the fact that another chemist's shop on the same side of the road had been closed in the meantime. Plaintiff estimated that instead of his having made a profit, he had actually lost 97*l.* in the first year. After further argument counsel called the plaintiff.

Mr. Sanderson then stated in evidence that in consequence of the advertisement in The Chemist and Druggist he went to Ramsgate, and he related incidents in support of the opening statement. The first month's takings were 17*l.* 19*s.* 3*d.*, and much of this was for dental mouth-washes. The takings for the corresponding month (January 1907) were 47*l.* 11*s.* He had given the business his personal attention. When he called defendant's attention to the falling-off in the takings he gave no direct explanation. At the end of three months matters were practically the same. Defendant then suggested that he should put in a new shop-front and wait for two years when he would have a good little business. The new shop-front cost him 60*l.* At the end of twelve months the total takings were 392*l.* He then again saw defendant, who, however, gave him no explanation. He had since discovered certain till-rolls left on the premises; the latest date thereon was May 2, 1902. Dental and optical takings were included thereon. The total takings for May were 28*l.* 5*s.* 11*d.*

At this point the till-rolls and book of takings were produced, and on comparison it was seen that the rolls showed 10*l.* more than was entered in the chemists' takings book. Other weeks were taken with a similar result.

His Honour said the plaintiff had alleged that the dentistry charges and takings had been included in the trading-takings book, and now the onus was on the plaintiff to prove it.

Witness proceeded to give instances of the stock being old and being returned. "Sea Spray" perfume was mentioned in this connection, and his Honour had a bottle of it opened. He smelt it and said he had never put anything on his handkerchief which smelled stronger; it was remarkably strong. (Laughter.) A bottle of "Royal Lily" was passed round and examined by the Press and solicitors, who thought it excellent.

Continuing, witness said that certain soaps and powders had deteriorated owing to their coming in contact with damp. Some goods he was able to return to the makers, and upon these he received a trade allowance.

Mr. Drury was about to address the Court when his Honour said the charge of misrepresentation as to the takings had not been made out, and if there was one principle of law established more clearly than another it was that where fraud was specifically alleged it must be proved beyond all reasonable doubt. The principal fraud alleged was that the takings-book was false, but the plaintiff had not proved that. There had been no proof of any falsity whatever; it was absolutely unproved. The only question remaining was as to the alleged misrepresentation as to the quality of the stock-in-trade.

Cross-examined by Mr. Drury, plaintiff said he was formerly in business in the North of England, where he became a bankrupt (*C. & D.*, April 7, 1905, p. 537). He is still undischarged.

Mr. Drury: Then where did you get the money from to buy this business? Plaintiff: The money was advanced to me by the trustees for my wife and children.

Counsel: Then the business belongs to the trustees, and not to you at all? Plaintiff: Yes, that is so.

Mr. Drury: I submit, your Honour, that the plaintiff is not, under the circumstances, entitled to maintain the action.

His Honour: Unless the trustees are willing to be joined the case falls through. The plaintiff had twice deliberately

stated that the business belonged to the trustees, therefore he could not sue. The only thing an undischarged bankrupt was entitled to do was to go and work and labour and repay his creditors. Plaintiff did not own the business, and he could not claim.

Mr. Emery said he did not think the trustees would take up the case; they were in the North of England.

His Honour non-suited the plaintiff, with costs. He said there was no ground whatever for the charge of misrepresentation.

Bankruptcy Reports.

Re G. S. V. Wills, 402 Clapham Road, London, Professor of Chemistry.—At Wandsworth County Court, before Judge Harington, on November 8, this debtor applied for his discharge. Mr. L. Howell, the Official Receiver, reported that the receiving order was made on April 29, 1909, and the public examination was concluded on June 10. According to bankrupt's statement of affairs, the liabilities to rank for dividend were estimated at 336*l.* 10*s.* 7*d.* No free assets were disclosed, and nothing had been realised. In these circumstances, his Honour suspended debtor's discharge for two years.

Re Wm. Hope Johnstone, Station Road, Llanelly, Chemist and Druggist.—The public examination of this debtor was held at the Carmarthen Bankruptcy Court on November 6, the statement of affairs showing liabilities 700*l.* and a deficiency of 551*l.* (*C. & D.*, October 16, p. 601). Debtor stated that he went to Llanelly from Penzance last January, purchasing the business of Mr. Evan Jones, chemist, Llanelly, taking over the stock and fixtures for 325*l.*, which he thought was 230*l.* too much. He paid 50*l.* down and 50*l.* on February 25. Before leaving Penzance his furniture was sold by auction for 116*l.*, out of which he received 100*l.* He had only about 60*l.* left when he reached Llanelly. His purchases for the Llanelly business came to 228*l.*, and he owed 209*l.* at Penzance. The examination was adjourned.

Deed of Arrangement.

Offord, Thomas Henry, trading as Watson & Co., 103 Woodgrange Road, Forest Gate, Chemist's Manager.—Trustee, O. Berry, Monument House, Monument Square, E.C. Filed November 5. Secured creditors, 12*l.*; liabilities unsecured, 492*l.*; estimated net assets, 59*l.* The creditors include Shirley Bros., Ltd., London (298*l.*); and Evans Sons Lescher & Webb, Ltd. (18*l.*).

Gazette.

Partnerships Dissolved

Brown, R. and F. C., Newton Heath, Manchester, manufacturing chemists, etc., under the style of Robert Brown & Co.

Findlay, D., and Hallam, P., Woodside and Queen's Road, Wimbledon, physicians, etc., under the style of Findlay & Hallam.

Millman, T. R., and Marchant, W., Gloucester, chemists, etc., under the style of Millman & Marchant.

Turnor, P. W., and Geoghegan, F. J., Peakridge and Brewood, Staffs, medical practitioners, under the style of Turnor & Geoghegan.

Wood, J. M. S., and Drabble, P. T., Rotherham, surgeons, etc.

The Bankruptcy Acts, 1883 and 1890.

Receiving Order.

Clarke, Arthur Edward, Southwold Mansions, Widley Road, Elgin Avenue, London, W., surgeon.

Adjudication.

Usher, Alfred Musgrave, Guiseley, Yorks, pharmacist.

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

W.B. Patents, Ltd. (P.C.).—Capital 2,525*l.* Objects: To carry on the business of manufacturers of and dealers in boxes, etc. The first directors are Major A. A. M. Layard (chairman), A. B. Loud, and A. J. Warne-Browne. R.O., 23 Bucklersbury, E.C.

London Bottle Co., Ltd. (P.C.).—Capital 3,000*l.* Objects: To take over the business of a bottle importer, agent, merchant, and manufacturer carried on by R. H. Mallet as "R. H. Mallet & Co.," and the "London Bottle Co." at Chinnocks Wharf, Narrow Street, Ratcliff, E. The first directors are R. H. Mallet and A. P. Day.

Combined Gold Process Syndicate, Ltd. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of experimental and research chemists and druggists, dealers in chemical, industrial, and other preparations, etc. The first directors are C. Hanrahan, O. J. Parker, J. V. Taylor, H. W. C. Annable, G. Young, and T. R. Beaumont. R.O., 116 Victoria Street, Westminster.

Bradley & Bliss, Ltd. (P.C.).—Capital 6,000*l.*, in 1*l.* shares. Objects: To take over the business of Bradley & Bliss, wholesale druggists and manufacturing chemists, Reading, and to adopt an agreement with Ella A., Arthur S., and Chas. R. S. Bradley. The first directors are Dr. A. S. Bradley, R.N., Capt. C. R. S. Bradley, G. Fraser, G. T. Green, and G. W. Harrison.

Camphylene Co., Ltd. (P.C.)—Capital 2,050*l.* Objects: To carry on the business of chemists, druggists, drysalters, oil and colourmen, oil-boilers, etc., and to adopt an agreement with C. W. Clement-Smith. The first subscribers are: C. F. Kennedy, 13 and 14 Abchurch Lane, E.C.; and H. H. Thompson, 40, Grafton Street, London, Secretary. R.O., 13a Briant Street, New Cross, S.E.

Littlefields, Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on at 30 High Street, Ventnor, Isle of Wight, as "Littlefield," and to carry on the business of chemists, druggists, manufacturers of and dealers in pharmaceutical and other preparations, etc. The first directors are F. Vincent, W. C. Black, and Miss M. Filliter. R.O., 5 Pier Street, Ventnor, Isle of Wight.

Bamptons, Cash Chemists, Ltd. (P.C.).—Capital 300*l.* Objects: To acquire the business carried on at 67 Far Gosford Street, Coventry, as "G. F. Bampton," and to carry on the business of chemists, druggists, oil and colourmen, manufacturers of and dealers in pharmaceutical and other preparations, etc. The first subscribers are I. J. Puddephat, 67 Far Gosford Street, Coventry, dispenser of medicines; and S. B. Branksome, Earlsdon Lane, Coventry, retired draper.

Carramon, Ltd.—At a meeting of the creditors in this liquidation, held at 8 North Street, Edinburgh, on November 8, the appointment of Mr. Robert Greenwood Morton, C.A., as liquidator was confirmed, and it was agreed to continue the voluntary liquidation. The liquidator was requested to endeavour to sell the business as a going concern, and it was intimated that he had already received inquiries, and hoped to be able to dispose of the business as a going concern.

Paine & Co., Ltd.—The report of the directors of this company of malt and malt extract manufacturers, St. Neots, for the year ended May 31 last, shows gross profit on the year's trading of 24,780*l.* 3*s.* 3*d.*, and net profit (after payment of salaries and all charges except interest) 5,904*l.* 9*s.* Interest absorbs 1,943*l.* 5*s.* 6*d.* and directors' fees 900*l.* Out of the balance the directors recommend payment of dividends of 5½ per cent. on the preference shares and 10 per cent. on the ordinaries, 120*l.* to debenture redemption fund, and 455*l.* 8*s.* to be carried forward (324*l.* 3*s.* last year). The directors state that all branches of the business showed increased trade during the year, especially malt products. The malt extract refinery has been rebuilt, and the machinery remodelled and replaced by Messrs. Pontifex & Sons, Ltd., of London; the building being erected on a much larger scale with a view of the duplication of the plant.

Kertamanah Cinchona Co.—According to the annual report for 1908, the general condition of cinchona-planting was very good, though the moist-weather conditions during the year led to a considerable amount of disease and loss among the young plants. The cost of maintenance, estimated at 27,875fl., actually worked out to about 3,000fl. less. The total receipts during the year amounted to 224,097fl., and the expenditure was low enough to leave a net profit of 108,080fl., thus enabling the company to pay a total dividend of 19 per cent. for the year. The harvest amounted to 574,158 kilos. of bark, all of which, with the exception of 5,863 kilos., was obtained as the result of necessary uprooting or pruning. The quinine-content of the bark was, on the average, equivalent to 6.33 per cent. of sulphate, as compared with 5.98 in 1907 and 5.62 in 1906; 101,193 kilos. of bark were sent to the Bandoeng factory, and the rest sold at 3c. to 3½c. per unit.

Receivers Appointed.—Notices of the following have been filed: *Texas Medicine Co., Ltd.*—Receiver or manager, G. Evanovitch, 12 St. James's Square, Holland Park, W. *T. Smith & Sons, Ltd.*—Receiver or manager, H. B. Pearson.

Births.

Carr.—At Kelvin, Church Avenue, Sidcup, on November 4, the wife of Francis H. Carr, F.I.C., of a son.

Connan.—At 25 Ness Bank, Inverness, on November 4, the wife of Campbell A. Connan, chemist and druggist, of a daughter.

Fitzpatrick.—At 19 Leeson Park Avenue, Dublin, on November 3, the wife of M. F. Fitzpatrick, pharmaceutical chemist, of a daughter.

Marriages.

Barker—Lovell.—At St. Mark's Church, Bath, on October 25, by the Rev. P. C. Ingrouille, M.A., William Edward Barker, pharmacist, Burnham, Bucks, to Ethel Alice, youngest daughter of Mr. C. R. Lovell, Bath.

Hampton—Clatworthy.—At St. Luke's Church, Chelsea, London, S.W., on November 7, Peter Hampton, pharmacist, formerly of 82 King's Road, Chelsea, to Edith E. Clatworthy.

Hearle—Lord.—At St. Mary's Wesleyan Church, Truro, on November 9, by the Rev. Thomas Kirkup, Joseph Hearle, chemist, 29 Grange Road, Canonbury, London, N., to Mabel Lord, of Alma, Truro.

Howard—Minter.—At Mpondas, Universities Mission, Central Africa, on September 27, by the Rev. Dennis Victor, Robert Howard, M.D.Oxon., second son of Mr. David Howard, F.I.C., of Buckhurst Hill, Essex, and Howards & Sons (Lim.), Stratford E., to Edith Kathleen, younger daughter of the late John Minter, of Norwood Green, Middlesex.

McBride—Liggett.—At the Presbyterian Church, Castlereagh, co. Down, recently, William Hamilton McBride, registered druggist, Woodstock Road, Belfast, to Annie Liggett.

Deaths.

Balkwill.—At York, on November 3, Mr. Frederick Pryor Balkwill, pharmaceutical chemist, aged seventy-seven. Mr. Balkwill was born at Plymouth and brought up in the family business of Messrs. Balkwill & Co., passing the Major in 1854. He retired from the drug business some years ago and devoted himself to life assurance, residing for a time with his son-in-law, Mr. J. H. Pumphrey, Ph.C., Evesham. Latterly he had lived at Nottingham and York. Mr. Balkwill was a Fellow of the Linnean Society, and had made a study of the foraminifera of the British and Irish coasts. Another of his hobbies was chess. Whilst in business at Plymouth (of which his brother, Mr. A. P. Balkwill, is still a partner), he was the means of helping many assistants in their botanical and chemical studies, and numbers have testified to the invaluable help always forthcoming to those who sought it.

Brough.—At Percy Villa, South Lambeth, on November 8, Mr. Lionel Brough, aged seventy-three. This well-known actor was a brother of the late John Cargill Brough, Editor of The Chemist and Druggist, and was himself for a short time in our office before he went on the stage.

Curtis.—Suddenly, on November 1, Mr. Thomas West Curtis, chemist and druggist, High Street, Holbeach, aged seventy-one.

Drayton.—At Dadar, Bombay, on October 20, Mr. George Selby Drayton, chemist and druggist, aged thirty-two. Mr. Drayton was over ten years with Messrs. Kemp & Co., and latterly had been in charge of their new laboratory. During that time he earned the esteem of all classes in Bombay and was highly respected by all who knew him. He was buried at Sewri Cemetery on October 21.

Jones.—On November 5, Mr. Ivor J. Jones, chemist and druggist, High Street, Portmadoc, North Wales, aged thirty-five.

Milne.—At Quetta, Beluchistan, recently, Mr. Charles J. Milne, chemist, aged fifty-four. Mr. Milne was a native of Aberdeen, and served his apprenticeship with the late Mr. D. M. Mackay, chemist and druggist, Union Street there, and went to Calcutta when he was twenty-one years of age. Going up country, he started a drug business at Quetta, which developed into a general store, and in which he was very successful. During the thirty-four years he had been out in India he had only been home once. He was a regular reader of the *C. & D.*, and we received letters from him occasionally, in which he dealt with life in the outpost of the Empire where he did business, rarely seeing any drug-trade representative. Mrs. Milne survives her husband.

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

A Drug-store is to be opened at 19 Hadden Street, Aberdeen, by Mr. Alfred Swan.

Boots, Ltd., are extending their manufacturing premises in Station Street, Nottingham.

Messrs. J. Savage & Co., Ltd., chemists and druggists, have removed their business at 15 Horton Lane, Bradford, to 4 Horton Road.

Mr. R. Evan Parker, recently with Messrs. Lovcitt & Bones, Cheltenham, is opening a new pharmacy at 32 Hertford Road, Coventry.

Mr. J. Milner, chemist and druggist, of Greenwich and Shepherd's Bush, has purchased Holford's Drug-stores, High Street, Stratford, E.

Mr. W. M. Wilson, chemist and druggist, formerly of Birmingham, has opened an up-to-date pharmacy in Walsgrave Road, Stoke, Coventry.

Mr. W. R. Williams, Monmouth, has acquired the drug and dispensing business of Mr. T. Mathews at Monmouth, with whom he was ten years.

Mr. Joseph Hooper, chemist and druggist, Haslemere, has purchased the business hitherto carried on by Mr. E. H. Kendall, chemist, 195 Widmore Road, Bromley, Kent.

Mr. James Green, pharmacist, recently senior assistant with Messrs. Dolbear & Goodall, of Oxford, has acquired the business of Mr. C. B. Robeson, 262 New Cross Road, S.E.

Mr. W. E. Barker, pharmacist, has taken over the business of Mr. J. E. Jones, The Pharmacy, Burnham, Bucks, also the proprietary rights of the Heald's Dog Medicine Co.

Mr. William J. Bray, chemist and druggist, Romford, has purchased the business of Mr. J. E. Lee at 30 Broad Street, Teddington, S.W., where he will trade as W. J. Bray & Co., cash chemists.

Mr. H. Salomons (formerly Salomons & Palache), wholesale agent for British proprietary medicines and pharmaceutical products, has removed from 28-30 Damrak to 278 Heerengracht, Amsterdam.

Mr. Walter Hammond, chemist and druggist, who for nearly thirty years has had control of the dispensing and retail department of Messrs. Goodall, Backhouse & Co., Leeds, has now taken over the department, and will in future carry it on on his own behalf. Mr. Hammond is having the premises refitted throughout.

Mr. F. Guttridge, chemist and druggist, formerly in business at 20 Cazeneuve Street, Troy Town, Rochester, has now opened a new business at Delce Road, Rochester. The business at Cazeneuve Street, Rochester, has been taken by Mr. F. E. Hunt (formerly for six years with Messrs. Goldthorpe & Cook, Chatham), who is trading as "Hunt's Drug-stores." Mr. Guttridge has also opened a pharmacy in Delce, a large and thickly-populated suburb of Rochester.

A Lady asked an Edinburgh pharmacist recently if her little boy was suffering from ringworm. "I'll give you a little iodine to paint the part with," said the chemist; "but it's really nothing at all." "I'm glad I caught it before the worm began to ring," the customer murmured.

Municipal Honours.

MAYORS and Lord Mayors for the year were appointed throughout England and Wales on Tuesday, November 9, and a fair number of the gentlemen selected are connected with pharmacy and the drug-trade. We append some portraits and notes of the careers of some of those who have become the Chief Magistrates in their boroughs :

MAYORS.

Alderman David Matthews, chemical merchant, Morriston, is the new Mayor of Swansea.

Mr. C. E. Fox, Ph.C., has been elected Mayor of Bethnal Green for the third time.

MR. [illegible] COLLINS.

MR. BRIDGE.

MR. C. E. FOX.

Mr. Edwin J. Hunt, the new Mayor of Wednesbury, is managing director of Messrs. Chance & Hunt, Ltd., the well-known chemical-manufacturers, of Oldbury and Wednesbury.

Councillor William Sambrook, pharmaceutical chemist, Monmouth, has been re-elected Mayor. We gave his portrait and particulars of his career in the *C. & D.*, November 14, 1909, p. 746.

Mr. Walter Lloyd, chemist and druggist, the new Mayor of Carmarthen, passed the Minor in 1881. He has been on the Council for twenty-two years, with only one municipal contest, when he came out at the top of the poll.

portrait in the *C. & D.*, November 17, 1900, on the occasion of his first election as Mayor.

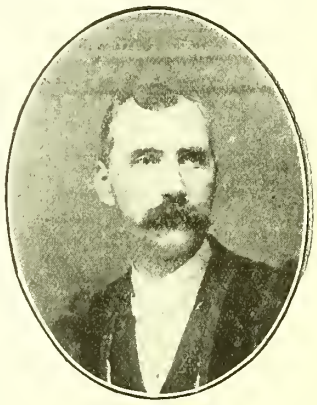
Mr. Geo. Woodhouse, chemist and druggist, 45 Bull Ring, Ludlow, has been elected Mayor of the borough for the third time. We printed some notes of Mr. Woodhouse's career in our issue of November 16, 1907, p. 748, and on the same page was a biography of Mr. G. E. Bridge, Mayor of Bournemouth, who also has been elected for the third time. To commemorate his Mayoralty, Mr. Woodhouse has presented a drinking-fountain to the town.

Alderman John Robert Birkett, J.P., chemist and druggist, Morecambe, has again been appointed Mayor of the borough, having filled that office on several previous occasions. He was born at Morecambe in 1854, and apprenticed with Mr. Allbright, Lancaster. He passed the Minor in 1873, and started business at Morecambe two years afterwards. Mr. Birkett has done much to develop the town in which he is a large property-owner. The Mayor's chain was a gift to the borough from Mr. Birkett in 1903.

Mr. John Henry Collins, chemist and druggist, Forest Side, Mansfield, the new Mayor of Mansfield, was born at Sutton-in-Ashfield thirty-seven years ago, but was educated in Mansfield and served his apprenticeship with Mr. Benjamin Adams, 17 Leeming Street there. He passed the Minor examination in July 1893, and soon afterwards commenced business on his own account in the town. He now carries on a retail business at Albert Street and a wholesale and manufacturing chemist's business at Dame Flogan Street Works, the latter comprising the old-established wholesale business of Mr. B. Adams, late Messrs. Hole & Hollingworth. Mr. Collins some years ago became a member of the Town Council, upon which he has specialised in the Electricity Department, being Chairman of the committee.

MR. WOODHOUSE.

ALD. W. M. MARGERISON.



MR. J. R. BIRKETT.

Alderman W. McKune Margerison, the new Mayor of Preston, has filled that office on a previous occasion. He is the fourth son of the late Mr. Joshua Margerison, who, in 1871, established the well-known soap business of Joshua Margerison & Co., soap manufacturers, for whom Messrs. Evans Sons Lescher & Webb, Ltd., are distributing agents.

Alderman Edward Price Wynne, chemist and druggist, Aberystwyth, was elected Mayor of that town for the second time. He was apprenticed with Mr. R. Jones, Towyn, and passed the Modified examination in 1870, and has been in business for thirty-seven years. We published Mr. Wynne's

MAGISTRATES.

Mr. James Bisset, chemist and druggist, Burntisland, has been elected a bailie of the borough.

Mr. J. H. Fisher, Ph.C., Dunfermline, has been elected a bailie of the Royal burgh.

Mr. Henry Potter (Potter & Clarke, Ltd.) has been elected at the top of the list as alderman of the Borough of Stepney.

Town Councillors.

Mr. John V. Mainprize, chemist and druggist, Bridlington.

Mr. Thos. Brewis, chemist and druggist, 325 Fratton Road, Portsmouth

Mr. R. Knowles and Mr. John Birkett, jun., Ph.C., Morecambe, have been elected Councillors.

Mr. A. B. Turpin, chemist and druggist, 16 High Street, Chippenham (re-elected).

Mr. Ellis Atkin Onyon, dispenser of medicine, has been returned at the head of the poll as a member of the Eye Town Council

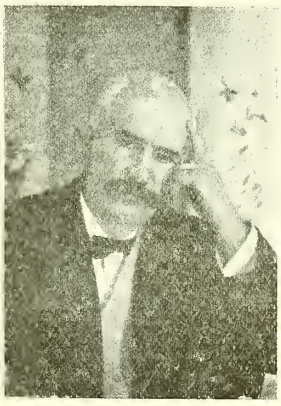
Mr. Henry M. Lloyd, dispensing chemist, 28 Victoria Street, Merthyr Tydfil, by a majority of 286 over his opponent, a Socialist. Mr. Lloyd has been appointed Chairman of the Health Committee.

Mr. G. J. Knight, chemist, 452 Edgware Road, W., has been elected to the Marylebone Borough Council. He is the only Municipal Reform candidate elected in his ward, and were he not "personally very popular in the district" and "a redoubtable Conservative fighter," he also might have joined the non-successful.

King's Birthday Honours.

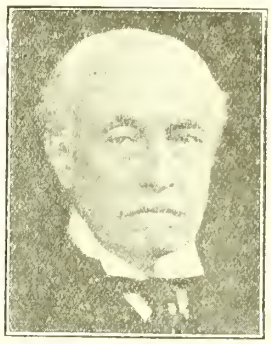
TUESDAY, November 9, was the 68th birthday of King Edward VII., and, as usual on such occasions, a large number of honours were conferred by his Majesty. Among those gentlemen who are to be sworn of his Majesty's Most Honourable Privy Council is Sir Henry Enfield Roscoe, F.R.S., Emeritus Professor of the Victoria University of Manchester, whose attainments in chemical science are well known. He was elected a Fellow of the Chemical Society in 1855, became a member of the Council in 1860, and was President from 1880 to 1882. He studied under Bunsen, and has been honoured with high degrees by the principal Universities of the Empire. He sat as Liberal Member of Parliament for South Manchester from 1885 to 1895. He has also been an honorary member of the Pharmaceutical Society of Great Britain since 1870. He was knighted in 1884. A knighthood has been conferred upon Mr. Robert Laidlaw, M.P. for the Division of East Renfrewshire, who is chairman of Whiteaway, Laidlaw & Co., Ltd., of London, India, and China. Mr. Laidlaw was a member of the Royal Commission on the Opium Trade, which visited China last year, and is directly interested in pharmacy. Mr. Jesse Boot, chairman of Boots Cash Chemists, Ltd., is also to be knighted. Mr. Boot has become a wealthy man through his connection with the retail drug trade, and has given freely of his wealth to charitable and religious purposes. Like his friend, Sir James Duckworth, M.P., who was knighted a year ago, Mr. Boot is a Liberal and a Methodist.

Right Hon. Sir H. E. Roscoe.



Sir Jesse Boot.

Professor William Augustus Tilden, D.Sc., F.R.S., also receives a knighthood on his retirement from the Royal College of Science, with which he has been associated as Professor of Chemistry since 1894, and as Dean since 1905. He qualified as a pharmaceutical chemist, having been Junior Bell Scholar in 1861—one of the first two who secured that scholarship. He passed the Minor and Major examinations in due course, but his name has not been on the registers for many years. After qualifying, he acted as assistant to Professor Attfield, at Bloomsbury Square, and studied at the Royal College of Science, graduating as B.Sc. and D.Sc. at the London University. He was very successful as a pharmaceutical teacher. While he was at the Square, Dr. Tilden contributed occasionally to The Chemist and Druggist. He was appointed science master at Clifton College in 1872, and remained there until 1880, when he was made Professor of Chemistry at Mason College, Birmingham, which he left in 1894 for the Royal College chair. He has been President of the Institute of Chemistry and of the Chemical Society, and has been an honorary member of the Pharmaceutical Society of Great Britain since 1893. Dr. Tilden's reputation as a research chemist was in the first instance based on his work on terpenes and essential oils, but as years have advanced he has become an all-round chemist and a man of affairs. The name of another well-known chemist occurs in the list—Dr. A. H. Church, F.R.S., Professor of Chemistry at the Royal Academy, who receives a K.C.V.O. Professor Church has been a Fellow of the Chemical Society since 1856, and is one of the leading authorities on the chemistry of pigments and painting.



Professor W. A. Tilden.

Mr. James Humphreys Harrison, M.V.O., Deputy Clerk of the Council and Chief Clerk of the Privy Council Office, is shortly retiring, and a knighthood is to be conferred upon him. The position which Mr. Harrison at present holds was previously filled by his father, Sir Edmund Stephen Harrison, C.B. Mr. Harrison entered the Civil Service in 1867. He has for many years been closely identified with pharmacy law matters, and the communications in regard to the Poisons and Pharmacy Act were conducted chiefly through him.

It is, we presume, a pure coincidence that the names of Dr. Tilden, Mr. Jesse Boot, and Mr. Harrison, of the Privy Council Office, occur in the Honours List, and that we look vainly in the list for the names of others who were closely connected with the passing of the Poisons and Pharmacy Act. Dr. Tilden was a member of the Departmental Committee on Poisons, whose report was taken by the Privy Council as the basis of the Bill which has since become an Act. Mr. Boot's share in the legislation is well known. His evidence before the Select Committee of both Houses of Parliament convinced the majority of the Committee that it was not desirable to interfere with company trading in pharmacy, and afterwards, as representative of the Drug Companies' Association, he had a conference with the President of the Pharmaceutical Society of Great Britain, and a company clause was incorporated in the Bill, the terms of which were agreed to by both parties. Mr. Harrison's part in the legislation was to "keep at it." It was largely due to his persistence that the agricultural and horticultural poisons proposal was pushed forward by two Governments to ultimate enactment.

Mr. John Scoley Battle, Ph.C., Lincoln, has been appointed a Visiting Justice under the Lunacy Act, 1890.

Mr. R. C. Walshaw, chemist, Huddersfield, has been re-elected president of the Huddersfield Chamber of Trade.

Gums and Resins valued at 238,260 metric quintals were imported into Trieste during 1908, as compared with 230,957 m.q. in 1907. The exports were 30,115 m.q., against 30,850 m.q. in 1907: last year the United Kingdom received 168 m.q., against 406 m.q. [Metric quintal = 220.4 lb.]

Pharmaceutical Society of Ireland.

COUNCIL-MEETING.

A MEETING was held in the Society's House, 67 Lower Mount Street, Dublin, on November 3, at 3 P.M., Mr. John Smith (President) in the chair. There were also present Drs. Dunlop, Walsh, and Whitla; and Messrs. Thomas Batt, George D. Beggs, Richard Blair, J. H. Bowden, W. J. Hardy, J. Michie, W. Moffat, D. W. Watson, and W. F. Wells.

The President mentioned that he accepted the invitation of Mr. Fairchild, of New York, to a dinner which was given in London on October 14 to the Fairchild Scholarship Trustees, and was very pleased indeed to represent the pharmacists of Ireland at such an interesting function. He desired to mention the matter especially that the attention of the members of the Council might be directed to the desirability of arousing the interest of the assistants in the Fairchild scholarships and prizes. As the conditions are easily complied with by most assistants between the ages of twenty and twenty-two, and that, even if no scholarship or prize is obtained, the experience and knowledge acquired should prove invaluable.

A letter was received from the Colonial Office enclosing a copy of the Transvaal Medical, Dental, and Pharmacy Further Amendment Act of 1909.

A copy was received from the Clerk of the Lord Lieutenants and Privy Council, Dublin Castle, of the report of Sir John W. Moore, M.D., on the examinations of the Society that had been held during the present year. The report was referred to the Law Committee.

Reports were received from the Law and House Committees and from the examiners. From the last mentioned it appeared that 22 candidates sought the license, of whom eight passed, and the five candidates sought the Registered Druggist qualification, of whom one passed.

A letter from Mr. J. Horner Haslett on the subject of the company apprentice question was discussed in Committee.

On the motion of Mr. Beggs, seconded by Mr. Michie, Mr. A. J. Barnes was re-elected examiner for the Preliminary examination.

On the motion of Mr. Blair, seconded by Mr. Watson, Dr. Allsome was re-elected examiner for the Botany and Materia Medica division of the Licence examination.

On the motion of Dr. Walsh, seconded by Mr. Beggs, Mr. J. Guiler was re-elected Registered Druggist examiner.

Mr. Edmond Collins, of Killorglin, co. Kerry, and Mr. Patrick Ward, of Dundalk, were elected members of the Society.

The Council then separated.

Pharmaceutical Society of Great Britain.

EVENING MEETING.

THE first scientific meeting of the session was held at 17 Bloomsbury Square on Tuesday evening, November 9, at 8 o'clock. There was a fairly good attendance, among the audience being Dr. F. B. Power, Professor Crossley, Professor Greenish, Miss M. E. Buchanan, Messrs. E. M. Holmes, D. Lloyd Howard, E. Saville Peck, J. O. B. Braithwaite, Alfred Wright, H. J. Henderson, P. A. W. Self, Langford Moore, H. Deane, F. U. Stamp, W. J. U. Woolcock, W. Garsed, and H. Finnemore. Mr. J. F. Harrington (President) took the chair at ten minutes past 8, and was supported by Mr. Edmund White, the only other member of the Council present. Mr. Frank Tutin, F.C.S., of the Wellcome Chemical Research Laboratories, and Mr. P. E. F. Perrédès, B.Sc., who made the communications of the evening, were at the right and left of the President.

The President, in opening the proceedings, mentioned that the Council had arranged a very good series of lectures and papers for the winter session, and expressed the hope that the meetings would be well attended. He quite understood that that evening many of the members were dining with the Lord Mayor—(a smile)—and naturally they could not be in two places at the one time. This probably explained the reason of there not being as many present at the first meeting as there otherwise would have been. He then referred to Mr. Perrédès and Mr. Tutin, calling upon the latter to read his paper on

The Tests for Purity of Quinine Salts.

Mr. Tutin said that the Pharmacopœia tests for quinine sulphate are divisible into two classes. The first depends upon the amount of ammonia solution required to form a clear liquid on addition to a saturated aqueous solution of the salt—this class of test being dependent upon the original of Kerner; the second includes those like the British Pharmacopœia, in which separate tests are provided for cinchonidine and cupreine. Several conditions affect the accuracy of the ammonia test, and the results of the present investigation show that it is of far less value than is generally supposed. The author first dealt with the preparation of the quinine-sulphate solution, as to which different Pharmacopœias vary. He preferred the French Codex method, in which 1 gram of the sulphate is dissolved in 30 grams of distilled water by boiling, the solution cooled to 15° C., kept at that temperature for half an hour, then filtered; 5 c.c. of the filtrate should give a clear solution with 5 c.c. of 10-per-cent. ammonia solution. The time for which the solution remains at 15° C. affects the volume of ammonia solution required. The author submitted figures showing, for example, that at the end of twenty minutes 6.2 c.c. was required; while at the end of four hours 5 c.c. only was needed; but he came to the conclusion that it is not necessary to prolong the rest period beyond the Codex requirement, although he finds fifteen minutes after the solution reaches 15° C. long enough. On the other hand, experiments showed that the results are independent of the amount of quinine sulphate employed to make the saturated solution. Mr. Tutin also investigated the question as to whether it is good or not to dissolve the salt completely, or to saturate the water, leaving some salt undissolved—the former being the German method—and he submitted the following figures obtained from five samples of commercial quinine sulphate:

French Method.—4.4 c.c., 4.5 c.c., 5.0 c.c., 5.6 c.c., 5.9 c.c.
German Method.—4.4 c.c., 4.5 c.c., 4.8 c.c., 5.2 c.c., 5.4 c.c.

He came to the conclusion that the French Codex method is to be preferred, because it is more accurate and more expeditious than any other pharmacopœial method. Results of a series of experiments with pure quinine sulphate were next given. The salt was made from quinine sulphate which passed the French Codex test, in the first instance, and was then five times recrystallised. The purified salt required 4.6 c.c. of ammonia solution by the French Codex method. This purified salt was converted into acid sulphate and re-converted, when 4.4 c.c. of ammonia solution was required. It was then converted into quinine dextro-campho-sulphonate (a new salt), the base isolated from this and converted into normal quinine sulphate, which required 4.4 c.c. Similarly, normal quinine sulphate, prepared from quinine dextro-bromo-campho-sulphonate, required 4.4 c.c., these figures showing that the re-crystallised salt was substantially pure, and this carried the corollary that as the German Pharmacopœia test prescribes 4 c.c. of ammonia solution only, no commercial quinine sulphate can possibly satisfy that test. Incidentally, the author proved that the composition of a solution of pure normal quinine sulphate is invariable at any temperature.

In the next part of the investigation he dealt with the testing of normal quinine sulphate of known purity to which 5 per cent. of cinchonidine sulphate had been added or 5 per cent. of hydroquinine sulphate. The cinchonidine-contaminated salt required 5 c.c. of ammonia solution and the hydroquinine-contaminated one required 6 c.c. After discussing the probable therapeutic effects of these contaminants, Mr. Tutin came to the conclusion that pharmacopœial tests should require 6 c.c. of ammonia solution to 5 c.c. of the saturated quinine-sulphate solution, so as to allow 5 per cent. of hydroquinine sulphate. The effect of the basicity of normal quinine sulphate was next referred to. The salt is not neutral to litmus-paper, as the United States and German Pharmacopœias say, but is usually

slightly alkaline. Solutions of absolutely pure salts may be alkaline while hot and acid when cold. In short, Kerner's test is a test of basicity as well as of purity, and the author came to the conclusion that, to prove absence of contaminants, successive tests must be made. The effect of acidity was also shown by a series of results from the addition of ammonia to acidified solutions. Thus, a solution to which no acid was added required 8 c.c.; with 2 drops of acid it required 7.4 c.c.; 5 drops, 6.7 c.c.; 7 drops, 6.5 c.c.; 10 drops, 6.9 c.c.; and 12 drops, 7.3 c.c. The British Pharmacopœia cinchonidine test was also tried, and it was found that by using B.P. ether 7 per cent. of cinchonidine sulphate escapes, but with æther purificatus 3 per cent. is detected. The effect of the presence of inorganic sulphates was next tried, and it was found that one molecular portion of sodium sulphate in normal quinine sulphate reduced the amount of ammonia required for a clear solution to 0.4 c.c., and as little as 0.1 per cent. of sodium sulphate mixed with pure quinine sulphate enabled the mixture to fulfil the requirements of the German Pharmacopœia.

DISCUSSION.

Mr. D. Lloyd Howard (of Messrs. Howards & Sons) complimented Mr. Tutin on the excellence of the paper, and pointed out that the figures with regard to the effect of the time of digestion in the ammonia test were new. More than once attention had been drawn to the fact that time is an important consideration, but it had not previously been worked out in such detail. He was sure they were indebted to Mr. Tutin for his excellent and careful work in that direction. Divergent results obtained by the French and German methods, when the quinine was not quite pure, showed that in this method, as in others, the test was not quantitative but empirical. This point ought to be borne in mind in fixing a definite standard, especially when there might be an appeal against a police court or similar decision. Mr. Howard then went on to suggest that some additional information might be given as to the use, in the purification of quinine, of the new dextro-campho-sulphonates. Why was Mr. Tutin led to adopt the use of these for purification purposes? With regard to the variation of behaviour of colour-indicators caused by temperature (which Mr. Tutin had referred to), Mr. Howard regarded this as an important phase in investigations, as he had noticed corresponding variations in the case of substances other than quinine. It formed a point of personal equation in the use of different tests, and might explain different results obtained by different observers who worked by the same test. He pointed out that temperature is an important factor in the B.P. test, and that time is also important, as the crystallisation from ether of cinchonidine is somewhat capricious. Sufficient time and suitable temperatures should, in his opinion, be specified to ensure uniform results. Mr. Howard then referred to salts other than quinine sulphate, stating that the hydrochloride is increasing in favour, and concluded by saying that it was desirable that some additional information should be obtained as to the relative disadvantage of the presence of cinchonidine and hydroquinine.

Mr. E. F. Harrison asked what influence calcium sulphate in the crystallising water would have on the quinine sulphate.

Mr. Finnemore remarked upon the necessity for prescribing pure ether for testing purposes.

Mr. F. Lees, who had from the Dartford Chemical-works sent data to the author, agreed generally with his conclusions.

Professor Crossley mentioned that the indicator colour-change has been worked out by Professor Senior, of Galway, and he calls it thermotropy.

Mr. Tutin briefly replied, the most interesting point in his remarks being that acetone is a contaminant of ether which is frequently overlooked. He used dextro-camphosulphonic acid because it is optically active.

Cultivation of Grindelia Camporum.

Mr. Perredes, Ph.C., B.Sc., then read his paper on "The Cultivation of *Grindelia camporum*, Greene, in Jersey." He exhibited a series of lantern-slides of plants which he has grown from authentic seeds of *G. camporum*, and demonstrated by these photographs that the plants have all the characters of *G. robusta*, Nuttall, rather than of *G. cuneifolia*, but that *G. cuneifolia* var. *palliodosa* resembles *G. robusta*. Incidentally, Mr. Perrédès made observations on the characters of the plants, which were intensely interesting, but the illustrations are necesary to understand them properly. Mr. E. M. Holmes followed him, agreeing with his conclusion that what we know as *Grindelia robusta* is really *G. camporum*.

Both authors were thanked for their communications.

In the examination-room the Curator and Librarian exhibited a few of the latest additions to their departments. There were also exhibited by Mr. Woolcock, on behalf of Mr. Thomas Parker, Ironbridge, Salop, sets of British grain weights on the "Q" system, in which the unit is one cubic inch of water at 50° C. This is equal to 250 grains ("the inch weight"), and "Q" is $\frac{1}{4}$ grain or $\frac{1}{1000}$ unit. Mr. Parker suggests that the fundamental units of our system of weights and measures should be the unit of length = the inch; the unit of area = the square inch; the unit of capacity = the cubic inch; and the unit of weight = the inch weight. He considers that this has educational and practical advantages, and states that Major McMahon, the Deputy Warden of Standards, has assented to the principle that this system of grain weights decimally arranged and based on the density of water at the temperature of 122° F. is suitable for scientific use.

The Week's Poisonings.

Ten deaths from poison have been reported during the week.—A mixture of *potassium cyanide* and *laudanum* was the cause of the death of Captain Fisher-Rowe, of Lower Belgrave Street, London, S.W. The poison was taken during temporary insanity brought on by insomnia.—Dr. T. G. Alexander, of Old Woolwich Road, Greenwich, died from *strychnine* poisoning. The evidence showed that the doctor had intended to take a simple draught, but instead poured out liquor strychninæ. He looked up the antidotal treatment and sent for a neighbouring practitioner, but the large dose he had taken made the case hopeless.—An Oldham spinner named Stott, who was given to drinking-habits, poisoned himself with *sulphonal*. He was seen to take a handful of sulphonal-tablets, and a chemist's assistant gave evidence of having sold two bottles of tablets—one of a hundred and another of twenty-five.—A case of *oxalic-acid* poisoning is reported from Manchester, where a man named Southworth, addicted to drink and in financial difficulties, poisoned himself.—A Highgate lady, Edith Curtis Ronald, took *salts of lemon* with fatal effect, a chemist giving evidence that he recollected selling the poison.—A Stratford carpenter named Banyard died in the West Ham Hospital from *hydrochloric-acid* poisoning.—Joseph Blundell, West Derby, Liverpool, took *aconite* owing to a love-entanglement, and died in great pain.—*Rat-poison* was eaten with fatal results by a farm labourer named Cox living at No Man's Land, Lanlivery, who was driven to it, the evidence showed, by domestic trouble.—A Sheffield painter who had been out of work for some months died of *laudanum* poisoning. He sent for three-pennyworth of the poison, and is thought to have drunk the lot.—Another case of *laudanum* poisoning is reported from Hull, the victim being a woman named Hall.

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

A Cinchona Disease.—In a recent number of "Teysmannia" (1909, 20, 409) Dr. Rant gives an interesting account of a fungoid disease, known locally as "Djamoer Oepas," which attacks cinchona in Java. This disease is of great importance in connection with cinchona-planting, but it is also found in coffee, tea, cocoa, nutmeg, and Para rubber, and consequently interests planters in many parts of the world. The author states that cinchona suffering from the disease shows four fungoid growths—viz., (*a*) an incrustation (white in the dark, pink on exposure to light) which is *Corticiuns Javanicum*, Zimm.; (*b*) small whitish nodules, made up of typical fungoid hyphæ; (*c*) white translucent threads, forming a tissue resembling a cobweb; and (*d*) a mould, which is *Necator decretus*. A series of photographs of these forms is given in the original. Of the two typical forms—viz., (*a*) and (*d*)—the first is generally found on the upper surface of cinchona branches and the second on the lower surface, but it is surmised that all four are forms of one and the same fungus.

Trade Notes.

Messrs. Scrubb & Co., Ltd., of Guildford Street, Lambeth, London, S.E., have received a Special Royal Warrant of Appointment as manufacturers of household ammonia to the King of Spain for use in the Royal household. Messrs. Scrubb & Co. hold a similar appointment for the household of King Edward VII.

Oatmeal Cream.—Messrs. Oldfield, Pattinson & Co., wholesale druggists, New Bridge Street, Manchester, have just produced a new oatmeal complexion-cream. The cream is nicely put up in octagonal opal jars, with nickel screw-caps and with four varieties of label. The cream is pearly in appearance and delicately perfumed.

Winter Lines.—Messrs. Thomas Christy & Co., 4-12 Old Swan Lane, London, E.C., have issued a four-page folder devoted to winter lines and seasonable novelties, a copy of which will be sent to any of our subscribers on application. It embraces several items for Christmas, including cigars, as well as toilet preparations, to retail at popular prices.

Christmas Novelties.—Messrs. G. H. Morison & Co., Ltd., perfumers, 2 and 3 Norfolk Street, Strand, London, W.C., have produced some dainty Christmas novelties in perfumes. One of these, figured in the company's advertisement in this issue, consists of four assorted perfumes in tiny pitchers in a sexagonal satin-lined box. The perfumes are stated to be especially suitable for window displays.

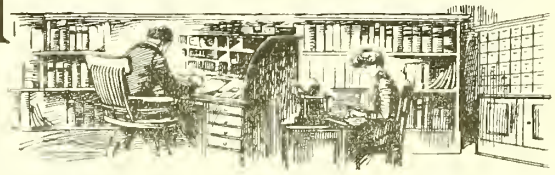
Mr. Frank A. Conduit, makers' agent and importer of high-class perfumery sundries, Sutton House, 2 Old Street, London, E.C., has been appointed sole agent in the United Kingdom for Mr. J. Rothschild Offenbach, a specialist in the production of embossed and lithographed labels for perfumers and soapmakers. The samples of the work which we have seen are singularly beautiful. Mr. Conduit will submit samples to inquirers.

Vanoleum is the name given to a concentrated preparation of Mexican vanilla, soluble in warm water. It is made by the Corrizo Extract Co., New York, whose agent in the United Kingdom is Mr. Arthur Whittaker, Newton Heath, Manchester. The claims put forward for Vanoleum are that an improved flavour and increased efficiency are obtained at decreased cost. Vanoleum is a dark liquid of syrupy consistence, one pound of which is mixed with two gallons of water to form vanilla essence. Mr. Whittaker offers to send a half-ounce sample for 1*s.*

Mysantal.—We have received and examined a sample of the antiseptic liquid dentifrice made by the Meyer Sander Dental Supply Co., 55 Berners Street, London, W. It is a red liquid of agreeable flavour, which forms an opalescent mixture with water due to oleo-resinous bodies which are held in suspension, the composition being based on recommendations of the late Professor Miller, of Berlin, and of Professor Benninghoven. The peculiarity of the Mysantal antisepticity is that it is due in part to hexamethylene tetramine. It forms an agreeable and effective mouth-wash and gargle, and retails at 1*s.* 6*d.* per bottle.

"Paco" Diastase Malt Extract.—Messrs. Paine & Co., Ltd., maltsters and malt-extract manufacturers, St. Neots, whose "John Bull" malt products are well known to pharmacists, have recently introduced a malt extract of high diastasic value, which they guarantee to have a minimum power of 100° Lintner. We have examined a sample of this extract, and find it to be excellent in flavour and appearance. Its diastasic activity on the Lintner scale is 146°—a strength which is exceptionally high, since it is equal to an extract of about 1800° tested by the more empirical B.P. Codex method. This result has been corroborated by Mr. E. R. Ling, F.I.C., F.C.S., a well-known authority on malt, who informs us that he has not met with an extract of higher diastasic power. Messrs. Paine & Co. inform us that they are putting the extract on the market in 1-lb. and 2-lb. jars, and they will be glad to furnish buyers with further particulars on application.

Information Department



The object of this department is to supply our subscribers with the names and addresses of manufacturers and agents, or other business information which they may be in need of. Inquiries should be sent by post, addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C." The information is supplied in most cases from references in our private registers; if not immediately obtainable, an inquiry is inserted free under "Information Wanted" in the next published issue of "The Chemist and Druggist." Urgent inquiries by telegraph or telephone are attended to, but they should, when possible, be confirmed by post.

Inquiries in regard to dispensing, legal, practical, technical, or other pharmaceutical subjects should be addressed to The Editor, who will reply to them in the Correspondence Columns.

Information Wanted.

We would be obliged if readers would reply, by postcard or otherwise, to any of the subjoined inquiries. Replies should be addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

230/58. Makers of "Lactoids."
231/57. Actual makers of cachets.
231/33. Makers of "Mamma" feeding-bottles.
233/63. Where can "Iodermine" be obtained?
231/17. Makers of plant for resubliming iodine.
231/52. "Gem Shaving-rolls," who are the makers?
233/30. What is "Eukataua," and where obtainable?
235/55. Freeman's "Tincacide": source of supply.
233/31. Present address of the manufacturers of "Kax."
235/56. "Invego" belt: who makes or where obtainable?
230/51. Where can "Douglas Egyptian Liniment" be obtained?
235/72. "Le Grand's Oryza Oil": who makes or where obtainable?
237/18. Actual makers of metal tooth-powder containers with metal sprinkler tops.
234/24. "Dr. Harley's Influenza Mixture"; who makes or where obtainable?
235/71. Makers of "Corning" optical lenses (American), or British agents.
232/73. "Mignonette Pepper" for preventing moths in furs: where obtainable?
226/34. Present address of the makers of James' Depilatory and Herbal Ointment.
233/46. "Bromacid" (said to be used in India for ringworm and skin diseases): where obtainable?
235/73. Where can "English Anersol" (a compound of goose grease and camphor) be obtained?

Information Supplied.

In reply to inquiries, information has been sent to subscribers and others by our Information Department in regard to the following subjects. The information will be repeated to any others requiring it who send a stamped and addressed envelope for the purpose to the Information Department as above. The subject of the inquiry and the registration number should be exactly quoted.

"Boval" truss, makers (230/22).
"Castols," supply (231/52).
Cheap carbolic or disinfecting blocks, makers (232/71).
Chinnery's advertising signs, address (232/30).
Clin's santol capsules, London agents (234/25).
Cockburn's hot-water bottles (231/36).
"Crimpoline," makers (226/34).
Grubler's carbol fuchsin, makers and agents (233/29).
Heald's dog medicines (226/34).
Hæmocithin, makers (235/57).
James's herbal ointment, agents (226/34).
Lister's antiseptic soap, makers (233/19).
Newton Mason's cough linctus (234/25)
Nutter's magnetic chest-protectors, supply (limited) (235/67).
Pedeline preparations, makers (232/5).
"Peralia," makers (226/34).
Perfume-cases, makers (229/12).
Rackham's veterinary specialities (230/34).
Saroform, source of supply (235/58).
Silverware, makers (233/24).
"Theodine" sausage colouring, makers (227/2).
Troemner's scales, supply (232/47).

Observations and Reflections.

By "Xrayser."

Section Four

of our latest Pharmacy Act would cast a gloomy shadow over the whole Statute even if all the rest of it were shiny. It contains among its provisions dangerous germs which are quite capable of disintegrating the present conditions of British pharmacy. If ever the promises or threats of its apparent intentions are realised the separation of pharmacists into distinct classes will be almost inevitable That result would perhaps benefit the few, but it would degrade the many, and the gradual change would involve much loss and irritation. Notes on the section are no doubt pigeon-holed at the War Office, and at any time a question in Parliament may cause these to be brought out, and a policy to be framed upon them. Compared with that possible attack

Mr. Mowbray Upton's Demonstration

on behalf of apothecaries' assistants may be regarded as merely amusing. Indeed, apart from legal considerations and hypothetical consequences altogether, Mr. Upton may be heartily welcomed into the ranks of pharmaceutical controversialists. The "ginger" which he proposes to infuse into our discussions will at least make them more tasty. It would be monstrously churlish on our part to grudge the applause which the "ladies and gentlemen," holding the assistants' certificates of the Apothecaries' Society, gave to their inspiring orator when he pledged them to maintain the "pristine purity, power, and dignity associated with the skilful and artistic dispensing of drugs." Dickens recommended "papa, potatoes, poultry, prunes, and prism" as words to give a pretty form to the lips of young ladies. Mr. Upton's purpose is nobler; he would not only shape the lips of the lady dispensers by his "pristine purity and power," but would put daring and virtue into the souls of the male part of his audience. To accomplish what? This is the mysterious part of Mr. Upton's address. Those before him were the "sole representatives of scientific dispensing"; the chemists outside were merely vendors of scent-bottles silver-backed brushes, sponges, and anything in the world except medicines. It is almost too much to expect that the lofty beings certificated by the Apothecaries' Society would even recognise us; and yet the sole object of the demonstration was to demand for the pristine purities the right of association with our fallen and disreputable selves.

Medical Miracles

have always been essential to the progress of the medical art, and if science first bans them it generally ends by appropriating them, stringing them together, and calling them therapeutics, pharmacology, biology, or by some other Greek name, and then thinks it has explained their mystery. But a mystery explained like a formula disclosed loses its interest and often its efficacy. It then becomes essential to seek for a new one. It is a sign of the times that on October 28 the Harveian Society held a special meeting, reported at length in last week's "British Medical Journal," to consider, in view of the growth of Christian Science and various forms of mental healing, "how far suggestion may operate in the treatment of morbid conditions." A number of eminent experts related experiences and drew conclusions. Dr. W. H. Blake had cured asthma by hypnotic treatment, and also maintained that this was the only satisfactory method of curing dipsomania. A patient suffered from sciatica and went to consult Dr. J. F. Woods. (This incident was related by another practitioner.) Dr. Woods "suggested" to him that he would be cured in thirteen days. After ten days the patient got worse and told Dr. Woods so. He was bidden to wait, and on the thirteenth day the pain departed from him. Dr. Woods himself told of another case of sciatica which he had cured instantly by suggestion. Why the other "case" was condemned to thirteen extra days of suffering was not explained. The "B.M.J.," which has not been distinguished for generosity towards irregular "suggestors" like Peculiar People or Christian Scientists,

"Welcomes the Discussion"

at the Harveian Society, and indeed, recognises suggestion in the treatment of functional diseases as unemotionally as it would admit the action of castor oil. It has "no difficulty in believing that ulcers that have a malignant aspect may be healed by the hope that comes from a potent suggestion." Why it should not advocate a revival of the Royal Touch is not obvious. The writer of the "B.M.J." comment goes on to declare that he has known of more than one case, in which every clinical sign of malignant disease of the stomach was present, in which cures were effected by this simple means. Now, suggestion covers not only these results, and those of the Christian scientists, of Lourdes, of animal magnetism, of mesmerism, of the Royal Touch and of Cramp Rings, but equally the quack cures paraded in the newspapers. The familiar pictures of the patient before and after treatment convey to many minds most potent suggestions, and may therefore be instrumental in healing others afflicted with similar diseases. What then can be said of professional partisans who, knowing all about this beneficent power, devote their abilities to its depreciation and destruction?

The Trade-marks Act

has been in operation for thirty-four years, has been several times amended, and a hundred times interpreted, and yet learned judges have still to take time to consider whether Orlwoola, Perfection Soap, California Syrup of Figs, and Witney Blankets are registrable terms. There is evidently not much exact science about this branch of the law. Meanwhile the invention and adoption of special words flows on unintermittently. It would be interesting to know what proportion of those advertised ever pay for the cost of registration. That the invented name does play some part in the success of a speciality is likely enough, but the success often has to be achieved by other means before the public recognises the appropriateness of the title. It would puzzle any expert to put his finger on a particular name in any list of trade-marks applied for and predict that it would become a household word before long unless he knew much more about it than that list told him; especially how much money was behind it. The -ences, and -ines, and -ettes, and -ites still pour forth, testifying generally to the lack of etymological invention among manufacturers. But they may be wise in choosing words which explain themselves at sight. "Pharma" for drugs and foods was in last week's list, and leaves us wondering how it is going to be developed. "Megomo" for chemicals and "Radiotrop" for a medicinal preparation do not at present look attractive additions to the English language. "Devules" for photographic chemicals may have a future; "Cloudique" for a powder insufflator will have hard work to make itself accepted as a noun; "Perfecto Johnnie" for a prepared food must handicap the product, as not many refined ladies would have the courage to ask for a packet of it. The most curious mark advertised last week is that of a Hungarian lady who wants to apply "Yes" to perfumery. Perhaps the idea is to use it principally in Hungary but to convey the notion that the perfumes are popular in England.

THE
'SANITAS-BACTOX'
(COAL TAR)
1/3 VAPORISER. EACH.
For Whooping Cough, Croup, Asthma, &c.
Meets the demand for a thoroughly efficient Vaporiser, at a reasonable price.
Protected price, 1/2½.
Prices to the trade on application to
THE 'SANITAS' CO., LTD.
Locksley Street, Limehouse, London, E.

JEWSBURY & BROWN'S
MANCHESTER
MINERAL WATERS

PATENTS AND TRADE MARKS.
There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.
REGINALD W. BARKER.
36 Ludgate Hill, London.

"MILK OF MAGNESIA"
(Registered Trade Mark)
(PHILLIPS')
For special terms apply to THE CHARLES H. PHILLIPS CHEMICAL CO., 14 Henrietta Street, Covent Garden, W.C.

WILCOX, JOZEAU & CO.
49 Haymarket, London, S.W.
Importers and Exporters of
FRENCH and all FOREIGN PROPRIETARY MEDICINES
Price List on Application
Special Export Terms
Foreign Prescriptions
Dispensed for Pharmacists

S.V.M. METHYLATED SPIRIT
Also RECTIFIED SPIRIT.
S.V.R.
Jas. Burrough Ltd. Cale Distillery, Hutton Road, LAMBETH S.E.

FLETCHERS' FOR TINCTURES, INFUSIONS, AND SYRUPS.
CONCENTRATED LIQUORS
Sole Proprietors: FLETCHER, FLETCHER & CO., Ltd. London and Sydney.

Editorial Comments.

The Advance in Quicksilver.

It will have been noticed from our Trade Report last week that something unusual is on foot with regard to the quicksilver market, and various reports have been current as to the rapid and persistent advance which has taken place, but no information of a definite or official character leading to the present development is available. According to inquiries which we have made in several quarters, the chief strengthening factor appears to be the unusually large demand which has sprung up in several directions, particularly from the Continent and the Far East, which demand found second hands with relatively small stocks and quite unable to cope with it. There has also been a notable falling-off in the Russian output of late, which is apparently responsible for the orders which have been placed here for Russia and China. At the same time, the mere fact that a quotation was at least temporarily withheld by the Rothschild interests, when the market reached 9*l.* 5*s.* per bottle, tended to accelerate the rise, although it is stated in one quarter that these interests have again been sellers since the price touched 9*l.* 15*s.*, but only in small quantities. The reserve maintained in that prominent quarter has naturally enough made dealers and importers rather shy in view of the growth of demand. It is believed that the recent large demand from the Continent is chiefly of a speculative character, and it has now become rather difficult to place orders for lots in excess of ten bottles or even five bottles. Prices have this week been advanced up to 9*l.* 17*s.* 6*d.* per bottle for second-hand parcels. So long as offerings by the chief holders of the Spanish product continue so restricted, the market is not unlikely to be kept in a feverish and excited condition owing to apprehensions lest the demand should run ahead of current supplies. Another point to be kept in view is that the output of the Californian mines, which in 1881 was as much as 60,000 bottles and towards 1895 reduced to about 25,000 bottles, has again fallen off considerably of late years. It is, therefore, surmised that purchases on North American account may eventually have to be resorted to on this side, although no inquiries have been reported so far. It may here be mentioned that the production of the Almaden and Mieres mines last year was 1,067,588 kilos., or 30,937 bottles, as against 1,212,371 kilos., or 35,141 bottles, in 1907, being 4,204 bottles more. The price has now reached a level not seen for nearly two decades, being within measurable distance of that touched in 1890, when as high as 10*l.* 6*s.* 6*d.* was realised. Even ten years ago the market was the subject of no little uncertainty,

when the contract between the Spanish Government and Rothschild's had to be renewed for the lease of the Almaden mines. The price then (in January 1898) was in the neighbourhood of 7*l.*, but apparently kept down somewhat by the increased production in Austria, Italy, and Russia. In the last few years the output in the two former countries was again on the increase, but it is understood that the yield in Italy is of but little importance and now decreasing. The highest prices ever touched were in 1874, when they fluctuated between 20*l.* and 26*l.*, which was followed by a slump to 11*l.* in 1888 and to as low as 5*l.* 7*s.* in 1894, from which the market has mostly kept on the up grade. In 1884, the average world's consumption was about 80,000 bottles per annum, but it is now probably much greater, although no trustworthy statistics can be obtained. The world's production in 1897 was, roughly, 100,000 bottles, but it is doubtful whether it is now as much in view of the much reduced output in California, where several properties have become exhausted. This country's imports showed a large increase last year over the two previous years, but whereas the exports fell off this year materially it is suggested that these are again on the increase. In other words, imports this year are practically 3,000 bottles less, and the exports 4,855 bottles less, as compared with 1908. Since the initiation of the quicksilver advance about three weeks ago, mercurial salts have advanced by 4*d.* to 4½*d.* per lb.

Java Cinchona.

In previous issues of The Chemist and Druggist (August 21 and October 16) reference has been made to several questions at present agitating cinchona planters in Java, notably the adoption of a uniform method of analysis and the possibility of limiting the output of bark. In the "Indische Mercuur" for October 5, 1909, Dr. van Gorkom publishes a letter running to several columns, in which these and other matters are discussed. Dealing first of all with the question of bark analysis, he points out that there has been all along an undesirable secrecy about the methods used. Thus, in February 1902, Dr. Suringar, then Heer van Leersum's assistant, commented favourably on what is known as the "Van Leersum method," and described it as giving uniform results with varying quantities of bark under varying conditions, but he gave no particulars as to the method, and, since his promotion to the de Vrij station, has made no further statement on the subject. Similarly Heer Commelin, at the meeting of the Preanger Bond, referred to "Heer Meyer's method," which the Bandoeng factory promised to publish in March last on condition that any difficulties encountered in using it, or improvements that might be suggested, should be submitted to them in the first instance for trial by their experts. This secrecy is not new, for when Moens in 1872 made the first analysis of cinchona bark in Java he published no details of his method, though he pointed out that the samples examined gave very high results, and said that his process afforded an easy means of separation. Later on Moens migrated to Haarlem, and, in his laboratory there, his Bandoeng method was used, first by himself, and then by his assistant, Heer van der Sleen, and afterwards by his successors, Heer Hekmeijer and Heer G. van der Sleen; but in all these years the secret of the method has never leaked out, though by this time it has, no doubt, been considerably modified and improved. Dr. van Gorkom, however, thinks that the method of analysis is really of very little practical importance, since a fractional difference means nothing, as in any plantation it is always possible to use the same method, and from the planter's point of view such a question as this is of far less interest than ascertaining whether cinchona can be profitably grown continuously on the same land. There is more to be said for a uniform method of analysis from the commercial point of view; but even then, so long as bark yields over 6 per cent. quinine sulphate, a fractional difference due to methods of analysis is of little significance under present market conditions. In support of this view the writer mentions that in the London market no analyses of the cinchona bark are published.

As regards the idea of offering a prize for a satisfactory method of analysis, which could be generally adopted, Dr. van Gorkom asserts that, since every authority has a prejudice in favour of his own method, uniformity is never likely to be secured, though possibly this prize scheme may put an end to the secrecy referred to above. To discover the best method he suggests that a Committee of competent Quinologists, public and private, should be appointed, and that under their supervision searching trials of all methods submitted should be carried out, and that their finding as to the best process should be generally accepted. He made a similar proposal about twelve years ago, but nothing came of it, and he offers it again in the hope that in the present serious condition of the cinchona industry it may receive more favourable consideration.

Turning to the more important matter of limiting the output and improving the price of bark, Dr. van Gorkom asserts that nothing can be done until there is a definite understanding between merchants in Amsterdam, manufacturers of quinine on the Continent, and planters in Java. So far the discussion of ways and means of limiting the output has been practically confined to the planters, and it is useless to consider the matter seriously until there is a prospect of all-round agreement. The remedy for the present state of things is rational cultivation and rational harvesting. The former implies the maintenance of proper nurseries, cultivation by the most modern methods, such as "hybrid" grafts on "Ledgeriana stocks," the proper spacing of the trees and careful weeding, all these points being attended to with a due regard to the pecuniary resources of the plantation. Rational exploitation implies the harvesting only of ripe and saleable bark.

In their seventh "Kinaberichte," Messrs. Watering & Co., of Amsterdam, state in their remarks on the present situation, that this condition of overproduction is unnatural, and that, as soon as producers are able to come to an agreement to regulate the supply, the success of the agitation for higher prices is assured. All that is now necessary, Dr. van Gorkom continues, is that Messrs. Watering & Co., in Amsterdam, and Heer van Riemsdijk, in Preanger, should persuade merchants and planters to join hands and work together for limitation of supply. The method to be adopted for this purpose is a difficulty. Koch and Suermondt's plan is that manufacturers should divide the supply of bark, an agreed quantity being assigned to each. This has for the time fallen through, because the Bandoeng factory thought the quantity allotted to them was too small, and by this action the factory has aroused the enmity of the planting fraternity, and is threatened with a boycott (see *C. & D.*, October 16, p. 624). To secure the success of any plan of this kind, the Government cinchona undertaking, which is the greatest producer, must be on the side of the planters.

Dr. van Gorkom's last word on this subject is emphasised in practical fashion by an anonymous letter in the "Indische Mercuur" of October 19. In this it is

pointed out that the refusal of the Bandoeng factory to join in the scheme for the limitation of output makes the latter useless. To ensure their adhesion it is suggested that a deputation of planters should interview the Governor-General of the Dutch West Indies and propose that, as the contract of the Government cinchona undertaking with the Bandoeng factory terminates next December, this contract should only be renewed on condition that the factory comes into line with the planters on this question of limiting supply.

Drugs and Boots.

We have received a copy of the report of the Batley Co-operative Society, Ltd., for the quarter which ended on October 11, which shows that the total sales of goods in the drug and dispensing department during the quarter amounted to 230*l.* 4*s.*, compared with 215*l.* 1*s.* 10*d.* in the previous quarter. The purchases amounted to 394*l.* 4*s.*, of which 15⅙ per cent. was from co-operative sources—this item being the lowest in the list, for of groceries 86⅓ per cent., or 28,685*l.*, was bought from co-operative sources. Co-operative societies' accounts are peculiar but interesting, as they give one of those comparatively rare opportunities for comparing drug-trading with other shopkeeping industries. In this case the drug and dispensing department is included, with other things, under groceries, and we compare its entries with those of the boot and shoe department, which approximates to it in value of stock :—

	Drugs			Boots and Shoes		
	£	s.	d.	£	s.	d.
Stock in July	914	5	0	1,104	0	2
Goods, carriage and productive wages...	412	11	9	664	10	1
Accounts owing October 1909 ...	18	14	10	9	9	11
Expenses	69	10	0	93	4	0
Rate per £	0	6	0	0	3	7½
Net profit	20	0	8	69	12	1
Rate per £	0	1	11	0	2	8½
Total	1,437	2	3	1,940	16	3
Accounts owing July 1909	61	7	6	33	18	4
Goods to other departments ...	131	0	1	289	18	8
Sales	230	4	0	514	10	10
Proportion of Society's Dividend	2	0	0	8	0	0
Stock, October 1909...	1,012	10	8	1,114	8	5

It will be noted that the substantial difference between drugs and boots is that the turnover in the latter proportionate to the stock is larger—more than double—and that is how larger profits are made. No doubt a good deal more cutting occurs in drugs, but that alone does not account for the poor results. The stock appears to be turned over a little more than once a year, whereas the boot stock is turned over four times, and profit is made each time greater than the drug-department profit in the whole year. This is the lesson that retail chemists have to take to heart for the future—keep down stocks and keep up returns.

The Description "Pharmacy."

Several Chemists' Associations have passed resolutions calling upon the Pharmaceutical Council to carry further the case of the Pharmaceutical Society *v.* Mercer, but the resolutions come too late. Thursday of this week was the last day for lodging an appeal, and we learn on inquiry at the High Court of Justice that no appeal has been lodged. This is in accordance with a decision arrived at by the Council last week. There is throughout the country a feeling of keen disappointment. A large number of registered chemists had hoped that the action meant that the Council had substantial grounds for taking proceedings with ultimate hopes of success, and some colour was lent to this by the Council undertaking the costs of the proceedings, the defence being nominal in character. As a matter of fact, the Council was warned from the outset that the result was likely to be disastrous, and it must now accept full responsibility for a state of things which is entirely of its own seeking, and inimical to the interests of registered pharmacists.

Patent Medicines.

We understand that if an opportunity presents itself when the House of Commons reassembles the Home Secretary will be asked whether he has been able to make any progress with the appointment of the Select Committee which he intimated some time ago he was in favour of appointing for the purpose of considering the whole question of patent medicines and the advisability of having fresh regulations making it compulsory upon the manufacturers of patent medicines to print on the label the full ingredients as well as the diseases which they purport to cure. Mr. Gladstone, it is known, has been in communication with the Privy Council on the matter.

The Circumlocution Office.

Instances have not infrequently occurred where methylated spirit received is unsatisfactory—too malodorous for business requirements. In reply to the request to institute a better quality article, the methylator informs his customer of his inability to receive back the unsatisfactory consignment unless accompanied by a proper permit obtainable from the Excise authorities. The law is so strict, etc. Application for this documentary safeguard is made, resulting in a visit sooner or later of an Excise official. If the local officer, another official comes along subsequently—the supervisor—who questions, examines, measures, sniffs, and then goes away. But not to fetch the required permit. This supervising official reports all the particulars to his superiors at the Custom House, for the simple reason that he is not entrusted with the power to grant this officially-inspired document. Meanwhile the application rests snugly in some drawer or pigeon-hole waiting its turn to be dealt with. In this way weeks pass by and the unfortunate chemist begins to fume and fret and think that by the time this precious permit does turn up the spirit will have evaporated. Not knowing the official procedure, he puts the blame on the local officials. There is reason to believe that at the present juncture business applications from traders and the needs of merchants in general are abnormally delayed owing to the chaos and understaffing consequent on the departmental reorganisation following the amalgamation of the Customs and Excise Departments. But whatever the cause may be, we ask if it is really necessary to invoke the aid of Lower Thames Street when experienced officials on the spot could decide a matter of vile odour.

Starch Digestion in Babies.

"The Lancet" of November 6 is an exceptionally interesting number to pharmacists, three papers especially being worthy of note—namely :

"On Oxaluria and the Treatment of Calcium Oxalate Deposit from the Urine, with a Method for the Solution of Calcium Oxalate Calculus whilst in the Urinary Passages," by Robert Maguire, M.D.Lond., B.Sc.Vict., F.R.C.P.Lond.

"Starch Digestion in Babies," by Edmund Cautley, M.D. Cantab., F.R.C.P.Lond.

"The Dyspepsia of Old Age," by W. Soltau Fenwick, M.D. Lond.

The first of these describes a series of experiments which resulted in the successful treatment of oxaluria with acid sodium phosphate (½ oz. to 2 oz. in 100 oz. of distilled

water drunk during twenty-four hours). The second paper also describes experiments which Dr. Cautley has made on the vexed question as to whether or not babies are capable of digesting foods which contain starch. He shows that practically from birth babies secrete an amylolytic ferment, and, after discussing the subject at length, he submits the following amongst other conclusions :

> The glands, notably the pancreas, can be trained by means of a starchy diet to the secretion of an increased amount of the amylolytic ferment. There is no inherent reason why this training should not be begun shortly after birth in the case of the bottle-fed infants instead of waiting until the child has attained the age of six months, as so commonly advised on purely theoretical grounds.
>
> Practical experience has shown that the usual barley water contains about 2 per cent. of starch. If mixed with an equal quantity of milk there will only be 1 per cent. of starch in the mixture. Such an amount is non-injurious and almost certainly is beneficial, for it encourages the growth of lactic acid bacilli and the formation of lactic acid. These organisms are of undoubted advantage in the prevention of the growth of proteolytic bacteria.
>
> If a starchy food is used in the first few weeks of life it is advisable to begin with a milk mixture which will not contain more than 0.5 per cent. of starch and to gradually increase the amount as the child gets older. Indeed, at any age when a starchy food is first given it should be in very weak solution and slowly strengthened up to as much as 3 to 5 per cent. If the stools become very acid, or if they give a distinct starch reaction, the percentage of starch in the diet must be reduced.
>
> The evil effects of starch in early life are due to (*a*) excess, (*b*) its administration in the form of a more or less insoluble emulsion instead of as soluble starch; and (*c*) the substitution of starch for the necessary protein, fat, and salts. In other words, the mischief results from deficiency of necessary proximate principles of diet rather than from the presence of starch.

These observations are valuable in view of the fact that the Australian regulations as regards infants' foods prohibit the use of even a trace of starch in foods intended for children under six months old. That is an extreme measure, and is an erroneous application of the experience that starch foods alone are harmful to infants—which is obvious. Dr. Cautley is not alone in believing that a little starch is good for babies.

Repetition of Prescriptions.

The well-known complaint of doctors that when they write prescriptions patients go on taking them without consultation is not a very serious grievance once it is looked into. In general practice where the medical attendant writes prescriptions and chemists dispense them we question if in acute cases "repeats" last longer than the illness, and if they are made without the medical attendant's order. In chronic cases the percentage of repeats is larger, and once a patient gets a medicine which just suits him he sticks to it for years. Such cases form a very small percentage of prescriptions written, but it is they that bear the brunt of the so-called abuses of prescription-repeating. These remarks are induced by a letter in "The Lancet" from Dr. F. Lucas Benham, M.R.C.P.Lond., of Exeter, South Australia, in the course of which (referring to a note by Dr. C. S. N. Hallberg in the "Bulletin of the American Pharmaceutical Association") he says :

> For the last twelve months or so I have adopted a method which seems to overcome the difficulty, and perhaps some of your readers might be glad to adopt it also. It is the custom in this country for medical men to write their prescriptions on slips of paper, on which are printed their names, addresses, and hours of consultation. On each slip I have had printed also, near the top, in red ink, the words, "Not to be repeated after ..... days." The date is written immediately above. The scheme was approved by the Medical Defence Association of this State, and I understand that some other medical men have now resorted to it, and have found it work well. I have had no trouble with patients. Most of those to whom I have explained it appreciate it as extra care and attention. Nor have the druggists, so far as I know, infringed the prohibition.

We presume that Dr. Lucas Benham is a general practitioner, and therefore that the arrangement works smoothly with him and not to the detriment of the patient. But could the same be said in regard to the prescriptions of consulting physicians, who see patients desirous of getting prescriptions which they can use as occasion requires? We think the rule cannot be made universally applicable, and that its application by the prescriber is not in all cases tolerable. The prescriber who is not attending a patient regularly has just exactly the same control over his prescription as he has over the patient.

Agri-Horticultural Licences.

Consideration of Applications.

The General Purposes Committee of the Cumberland County Council at Carlisle on November 3 recommended that poison-licences be granted to the following: James W. Brandwood, grocer, Cockermouth; W. T H. Cartwright, saddler, Millom; Robert J. Downes, tanner, etc., Egremont; James Duff, general merchant, Holmrook; Matthew Eckersley, grocer, etc., Warwick Bridge; Mossop Fox, general merchant, Cockermouth; Robert Johnston, general merchant, Ireby; John Mayson, seedsman, Cockermouth; Henry Millican, general merchant, Penton; George Stevenson, coal-merchant, Penton; John Smith Teasdale, corn-merchant, Cockermouth; George A. Tweddle, general merchant, Stapleton; Joseph Watson, grocer, Sebergham. When the report came before the Council, an amendment was moved by Mr. Mitchell-Dawson referring the matter back with a recommendation that no further licences be granted where the reasonable requirements of the public are satisfied. If the licences were granted, it would mean that licences could be had by anyone who applied, and ignoring the risk to the public by allowing dealers in food to sell poisons.—Mr. Valentine said the clauses were intended to apply only to cases where there was no chemist for many miles. In Cockermouth there are four qualified chemists in addition to the four applicants for licences. He did not think that men who had specially qualified by examination to sell poisons should have the work taken from them by provision-dealers and grocers.—Mr. Musgrave thought it would be a hardship not to grant the licences in the case of tradesmen who have been selling sheep-dips for many years. In one case at Whitehaven applicant had been selling dips for forty years. He agreed that in the future the business might be limited to qualified chemists, so that when the present vendors retired from business the licences would cease.—Mr. Dickinson also went on the line that the applicants had worked up large businesses in these poisons.—Mr. Wandless pointed out that some of the previous speakers were under a misapprehension, as carbolic dips are non-poisonous as regards the Pharmacy Act. The new Act does not interfere with the sale of carbolic dips, but only refers to the sale of arsenical dips, which could only have been illegally sold previously.—Mr. Grainger thought that licences should only be granted where facilities do not exist, but Mr. Lewthwaite thought each case should be considered on its merits. The amendment was then put to the Council, but was defeated by twenty-nine to twenty-seven.

Licences Granted.

The Southampton County Council received four applications for licences. Three were refused, and one (that of Mr. C. A. Bettesworth, Horndean) was granted.

At the meeting of the Surrey County Council held at Kingston on November 9, a sub-committee recommended the granting of one licence, and the Council agreed.

Press Comments.

"Councillor Tew," says the *Barnet Press*, "will shortly take possession of his new premises in High Street, and some store-chemist people will occupy those he is giving up. The question many North Finchley people are asking is: 'Is Councillor Tew getting his own back again?' It rather looks like it. Some time ago Councillor Tew went to some expense in order to get a licence from the County Council to sell some weed-killer—a poison. The local chemists opposed the application, and the genial North Ward representative was beaten. The queer thing is that if Councillor Tew cares to renew his application to sell the weed-killer he will get what he wants."

Taking the Biscuit.—For stating that a man "was for a long period a nephew of the founder of the business," a pharmaceutical contemporary has been awarded "John Bull's" biscuit.

Fassett & Johnson at Home.

ON Thursday of this week Messrs. Fassett & Johnson, with a reception from 12 to 3, formally opened their

GENERAL OFFICES.

fine new offices and warehouse at 86 Clerkenwell Road, E.C., which are in the handsome corner building,

MR. L. O. JOHNSON'S PRIVATE OFFICE.

formerly the headquarters of Warner's Safe Cure. Mr. L. O. Johnson, the sole partner of Messrs. Fassett &

SEABURY & JOHNSON'S GOODS.

Johnson, has been very thorough in transferring the business from the old quarters in Snow Hill and in fitting up the offices in elegant and up-to-date fashion. The business is one of the most interesting in the London drug-

STAMPING AND STORAGE.

trade, in so far as the firm are manufacturers' agents pure and simple, and have in the course of about twenty years

DESPATCH DEPARTMENT.

built up businesses in the British Empire for more than a dozen manufacturers abroad, to whom (or most of them)

INVOICE DEPARTMENT.

the peculiarities of our trade were as a sealed book. Messrs. Fassett & Johnson make it their business to do all the work

of advertising, creating demand, selling, stamping (if required), distributing, and everything else for a fixed charge on sales, they taking the financial responsibility. They already handle Sapolio, Seabury & Johnson's products, Diamond Dyes, Angier's Emulsion, Florida-water, California Syrup of Figs, Thermogene, and several other specialities well known to chemists, and these pictures of the new premises may serve to indicate the work entailed. These notes do not profess to do more than frame the pictures. The building is one of four floors and a basement. The ground floor is distinct from the offices above, which are reached by a fine broad staircase, on ascending which one reaches the general offices, a magnificently lighted and spacious apartment about 2,000 square feet in area. To the south of this Mr. L. O. Johnson has his private office, and off it are the rooms for his personal typists and foreign secretary. Double windows to Mr. Johnson's room exclude street noise, and there is every convenience for filing documents and getting quickly at thousands of minutiæ which the brains of a business of this character must have within reach. A beautiful room this is, furnished in rich dark mahogany, saving the floor, which is oak. The second floor is reached by a new stone staircase, and here we find Seabury & Johnson's goods orderly arranged, several generous cubicles on the street-front giving quiet to the heads of the department and clerks. Up another flight is a floor (the third) devoted entirely to storage of goods and stamping those which pay revenue in medicine-stamp duty. The fourth floor is for reserve stock, and after a glance over it the *C. & D.* representative was taken down the lift to the basement, a wonderfully well-lighted, airy, and cool cellar, into which working stock in original cases is brought from the bonded warehouses. The ground floor above is devoted entirely to despatch of goods and invoicing, and we must for the present allow the pictures to speak for them. Messrs. Fassett & Johnson are now comfortably situated, and have elbow-room to work in and to give the best effect to the method and order which are not the least of the notable characteristics exhibited by Mr. L. O. Johnson during his successful career as a London merchant. The reception on Thursday was followed by a dinner to the staff in the evening.

Maws Men.

When Mr. Haldane, the Secretary of State for War, made his appeal to the employers of the country to give their men facilities to enrank in the Territorials, Messrs. S. Maw, Son & Sons, of Aldersgate Street, London, held a house meeting which was addressed by Lieut.-Col. W. Campbell-Hyslop. This group of Territorials, taken in front of the well-known "No. 11," is a sample of the result. Their names and the corps to which they belong are as follows (beginning at the top, left to right):

Fitzjohn (Mounted Transport), Poore (Bugler Queen's Westminster), Simpson (1st City Artillery), Abbott (Signaller Queen's Westminster), Hayward (Sergeant R.A.M.C.), Williams (R.A.M.C.).

Allan (5th London Artillery), Collins (Cadet King's Rifles), Curtis (London Irish), Jennings (R.A.M.C.) Reed (London Irish), Taylor (R.F.A.), Hobbs (R.A.M.), Slate (R.A.M.C.), Sylvester (5th London Artillery).

Milne (R.A.M.C.), Humphrys (Queen's West Surrey), Emery (London Irish), Rumens (1st City Artillery), Hughes (London Irish), Came (Queen's West Surrey).

Messrs. Maw allow the men the fortnight free for camp duties, and they get an extra week's holiday, with full pay for the three weeks.

Photographic Notes.

(By a Pharmaceutical Camerist.)

Concentrated Developers.

The "Photographische Industrie" publishes the following formulæ for concentrated developers, which chemists will find useful:

Metol-hydrokinone (Single Solution).

Sodium sulphite (crystals) ...	5 oz.
Metol	75 grains
Hydrokinone	150 grains
Potassium carbonate	3 oz.
Potassium bromide...	15 grains
Warm water...	33 oz.

Dissolve in the order given.

For developing plates 1 part of this developer and 3 or 4 parts of water are required; for gaslight-papers 1 part of developer to 2 of water.

Metol-hydrokinone (Two Solutions).

A.

Water	40 oz.
Sodium sulphite (crystals) ...	6 oz.
Hydrokinone	3 dr.
Metol	95 grains

B.

Water	40 oz.
Potassium carbonate	4 oz.

For plates, 1 part of A, 1 part of B, and 6 parts of water are mixed. For gaslight-papers, the developer is made up by taking 1 part of A, 1 part of B, and 2 parts of water, sufficient potassium bromide being added to keep the whites clear.

American News.

(From the "C. & D." Correspondent.)

Headache-remedies.—Bulletin 126 of the Bureau of Chemistry of the United States Department of Agriculture, which dealt with the effects of mixtures of acetanilide, antipyrin, and phenacetin (see *C. & D.*, July 24, p. 119), has been issued in a condensed form as a Farmer's Bulletin (No. 377).

The Election of Charles H. Huhn to the presidency of the N.A.R.D. still continues to arouse a good deal of unfavourable comment, due to the fact that Mr. Huhn is president also of the American Druggists' Syndicate. Nevertheless, he has begun his administration of N.A.R.D. affairs with a great deal of energy, and has issued a call for one thousand "lifters" to assist him in carrying out a vigorous campaign.

Denatured Olive Oil.—Olive oil that has been rendered unfit for use as a food is admitted free into the United States. The Treasury Department has issued a circular to collectors calling attention to this and specifying the denaturants that may be employed. The following are to be added to 900 gals. of the oil: (*a*) 3 gals. of rosin oil, preferably second or third runs; (*b*) 3 gals. of refined destructively distilled wood turpentine, boiling not lower than 160° C.; (*c*) 3 gals. of mineral oil such as spindle oil, or a rather crude kerosene; (*d*) ¼ gal. of pyridine; (*e*) ½ gal. of creosote; (*f*) 3 gals. of aniline oil; (*g*) 6 gals. of dark-coloured oleic acid. Or to 100 gals. of olive oil to be denatured may be added 16 oz. of rosemary oil or 6 oz. of oleo-resin of capsicum.

Winter Session of Chemists' Associations.

Brief Records.

Keighley Chemists' Association.—At a meeting held at the Devonshire Hotel on Thursday, November 4, Mr. Harrison presiding, Mr. F. Pilkington Sargeant and Mr. J. H. Beacock, Leeds, gave a dual address on "The Chemist and his Wares in Shakespeare's Time." Mr. Sargeant took the first portion and Mr. Beacock the second. Mr. A. S. Dean, Mr. Turner, Mr. Greenwood, Mr. Kershaw, Mr. Butterfield, and the Chairman spoke in appreciation of the address.

Northampton Association of Pharmacists.—At the meeting on November 2, Mr. E. Dennis (President) delivered his opening address, in which he dealt with current topics. Mr. F. Cowdery (Hon. Secretary) showed some very fine specimens of *Phytolacca decandra* with three spikes 16 in. long covered completely with purple berries, grown in the grounds of a gentleman living near Northampton. Reference was made to the death of Mr. Lucas (Northampton) and Mr. T. Oldham (Towcester), and the Secretary was instructed to send letters of condolence to Mrs. Lucas, Mrs. Oldham, and their families.

Stockport Pharmacists' Association.—A meeting was held at the County Restaurant on Wednesday, November 3, Mr. W. P. Orrell (President) in the chair. Messrs. Arnfield, Bowden, Dodge, Gee, Royse, and Westerman were also present. The annual report and financial statement were submitted and approved. A balance of 14*l.* 19*s.* 7*d.* was reported as most satisfactory. Mr. Gee was appointed a member of the committee. Mr. Westerman was elected Secretary. It was decided to hold the annual dinner on the second Thursday in February. Mr. A. Bann was elected a member of the Association.

Derby Chemists' Association.—The annual meeting was held at the Bell Hotel on Tuesday, November 2, Mr. Readman in the chair. Mr. W. Elmitt was elected President, and Mr. Walter Riley Secretary, Messrs. Readman and Taylor, the past occupants of the positions, being heartily thanked for their services. The rest of the evening was spent in informal discussions of the events of the day. Many points were raised, but the chief talk surrounded the ease and question, "What is a pharmacy?" It was unanimously agreed that the word "pharmacy" would naturally indicate that a pharmacist is to be seen within, and that the Act must be amended.

Thames Valley Pharmacists' Association.—The first whist drive of the season was held at the Pagoda, Richmond Hill, on November 10, when a party of ninety-eight sat down to play. When the scores were totalled, the prizewinners were: Gentlemen—(1) Mr. L. Parrott, (2) Mr. J. H. Broad, (3) Mr. A. B. Shaw; ladies—(1) Mrs. Mann, (2) Miss M. Grieves, (3) Mrs. Gould. The prizes were presented by Mrs. F. Harvey, the President's wife. Each table was numbered, and the trumps noted thereon, with appropriate mottoes, such as "Nil desperandum," "A faint heart ne'er won a fair lady," and "Conquer with kindness, 'tis the noblest weapon." The arrangements were in the capable hands of Messrs. Harvey, Higgs, and Windemer.

N.U.A.P.—At a meeting of the Bristol branch of the National Union of Assistant Pharmacists, held on November 4, Mr. Findlay presided, and the following resolution was passed:

> This meeting desires to express its utter disgust at the charlatan effrontery of the Apothecaries' Hall Society in making its recent grotesque demand of the Pharmaceutical Society, and furthermore requests the Pharmaceutical Society to preserve inviolate the honourably-acquired legitimate rights and privileges of pharmaceutical chemists and pharmacists.

Mr. Findlay read a paper on "What the Union might do for the Unqualified," and stated that if sufficient unqualified joined the Union a scholarship could be instituted which could be competed for in two ways, (1) by an examination on similar lines to the Fairchild Scholarship; or (2) by each candidate writing an essay on some pharmaceutical business subject, *e.g.*: "Running a side line," and "Advertisement-writing." A vote of thanks was passed to Mr. F. Bullen for the way in which he spoke at the Apothecaries' Hall meeting, and to Mr. Findlay for his paper.

Chemists' Assistants' Association.—The meeting at 73 Newman Street, W., on Thursday evening, November 4, was impromptu so far as the programme was concerned. Several matters relating to the welfare of the Association and in connection with the arrangements for the session were discussed in an informal way. The recent case bearing upon the right of unqualified traders to use the word "Pharmacy" in the description of their business premises was debated, and it was decided that a letter should be sent to the Registrar of the Pharmaceutical Society urging the necessity of notice of appeal being lodged. It was also decided that a copy of the letter be sent to kindred societies urging them also to communicate with the Registrar confirming the letter sent by the Chemists' Assistants' Association.

Blackpool and Fylde Pharmacists' Association.—A meeting was held at Blackpool on November 5, Mr. F. Boothroyd (President) in the chair. There were also present Messrs. Laurie, Johnson, Withers, Turver, Rosensweig, Lowe, Greenwood, Mayson, Mallileu, and Bailey (Hon. Secretary). Messrs. Johnson, Lowe, Turver, Mayson, and Laurie, with Mr. Bailey as Secretary, were entrusted with the management of the Assistants' examination. The hours of closing during the winter months were arranged as follows: Mondays, Tuesdays, Thursdays, and Fridays close at 8.30 P.M. Saturdays optional, and Wednesdays close at 1 P.M., re-opening in the evening at 6 P.M. till 8 P.M. The Secretary was instructed to furnish each member with a display card, notifying the public of the hours of closing. The President then gave a paper on the benefits of Associations, and then dealt with Parliamentary representation. It is most important, he said, that chemists should spare no efforts to secure the return to Parliament of such an able exponent of pharmaceutical politics as Mr. W. S. Glyn-Jones.

Croydon and District Pharmacists' Association.—The members visited the factories of Idris & Co., Ltd., on Wednesday afternoon, November 10, and were shown through the various departments by Mr. E. K. Bishop. The party first went through the departments in connection with the manufacture of aërated waters, inspecting the factories, machinery room, and laboratories, after which they visited the syphon-manufacturing department, and witnessed the process of manufacture from start to finish, starting with the foundry in which the metal tops are cast. The party then inspected the glass-engraving department, which manufactures glass tablets and supplies outside firms with facias and other glass work. The party next paid a visit to the department carried on under the name of the "Viking" Food and Essence Co., which produces meat-preparations, quinine wine, honey, and other chemists' sundries. At the close of the visit light refreshments were provided and the members of the party expressed their thanks to the company for giving them the opportunity of a most interesting visit.

York Chemists' Association.—The first general meeting of the session was held in the Old George Hotel on Wednesday evening, November 3. Mr. W. Dewhurst (President) was in the chair, and Messrs. J. A. Lupton (Treasurer), M. F. Burgin, W. Sowray, G. E. Woodhouse, G. E. Walker, F. A. Newey, F. C. Hey, and T. C. Atkinson (Hon. Secretary) were also present. It was decided to ask Mr. John Evans, F.I.C., public analyst, to give a lecture during the session. Mr. F. C. Hey was delegated to attend the Leeds Association's annual dinner. The question of subscribing to the Parliamentary Representation Fund was again discussed, and by four to two it was decided not to do so. Mr. F. A. Newey proposed the following resolution:

> That this Association is of opinion that the Council of the Pharmaceutical Society should without further delay take proceedings against some local authority to test the validity of their action in granting licences under Section 2 of the Poisons and Pharmacy Act, 1908, where facilities already existed for the public obtaining the poisonous substances referred to in the Act.

Mr. F. C. Hey seconded, and the motion was carried unanimously.

Halifax Chemists' Association.—A meeting was held on Tuesday evening, November 9, Mr. H. C. Brierley (President) in the chair. Messrs. Gibson Dixon, P. W. Swire, T. Briggs, H. K. Woodward, B. C. Hodgson, and R. V. Sutcliffe (Secretary) were also present. In the course of a discussion on "Pharmacy for the Unqualified," the decision in the Pharmaceutical Society *v.* Mercer was mentioned, and one speaker said that he had understood the word "pharmacy" was as much protected as "pharmacist." "They closely resemble one another," he added, "yet there is law for one and not for the other. Again, look at 'surgeon' and 'surgery,' yet surgery is as much protected as surgeon. Why not 'pharmacy' for the pharmacist? It is our duty to ask the Society if they intend to let another opportunity pass by. Should the Pharmaceutical Society refuse to rectify the matter, then the title 'pharmacist' is worse than the old title 'chemist and druggist.' Language utterly fails me in describing the

treatment doled out by his Majesty's officers of the Crown. We are not by ourselves in our distress. The medicals and dentists are in the same category. The Judges all seem to be against us. It has struck me forcibly that there is only one profession which is fully protected in this country, and that is the legal profession." A resolution was unanimously passed in support of the Mercer case being taken to the House of Lords.

Leeds Chemists' Association.

The annual dinner of this Association was held at the Grand Restaurant, Leeds, on Wednesday evening, November 10, Mr. F. Pilkington Sargeant (President) in the chair. Among the visitors present were Mr. F. J. Gibson (Wolverhampton), Mr. Weston (Harrogate), Mr. Hey (York), Mr. Gordon (Bradford), Mr. Broadhead (Batley), and Mr. P. Carr (Sheffield). After dinner and the loyal toasts, Mr. Bentley proposed the toast of "The Pharmaceutical Society," which was replied to by Mr. F. J. Gibson, as a member of the Council. In the course of his speech Mr. Gibson said that the Council were fully alive to the evils and the gross injustice that had been perpetrated upon their members throughout the country. The difficulty they were in was to find a satisfactory remedy. A large number of remedies had been suggested. One of these was that the Council should go to the Government and compel them to carry out the spirit and intention of the Pharmacy Act. That was a tall order, and he questioned whether it was on right lines. He could assure them that the Council had a very definite policy, and they were following on the lines of that policy, and were gathering up the threads of the matter so as to bring the policy to a satisfactory conclusion. He referred to the decision in the Pharmaceutical Society *v.* Mercer, which, he said, was lamentable, and, at the moment, he could not see a remedy for it.

The next toast was "Kindred Associations," proposed by Mr. Haselgrove. Mr. Gordon responded. The toast "The Leeds Chemists' Association" was proposed by Mr. Hey, who spoke of the energy of the President of that Association, and of the alertness of the Leeds body. Mr. Broadhead (Batley) also spoke on the toast, and Mr. Sargeant, in responding, said the Leeds Association was proud of their record in the past, and he hoped in the future they would be proud of the work they might do. He was rather afraid the Pharmaceutical Society was not doing what they ought in regard to the granting of licences, and he doubted whether they had the machinery to cope with the work. The proceedings were enlivened by a musical entertainment.

Sheffield Pharmaceutical and Chemical Society.

A Meeting was held at the rooms of the Sheffield Literary and Philosophical Society, Church Street, on Tuesday evening, November 9, Mr. Percy Carr (President) in the chair. There were also present Messrs. J. Chadwick, B. Ellis, J. G. Jackson, H. G. Williams, J. T. Appleton, F. Medley, C. Lansdell, Fox, C. Hewitt, J. S. Oswald, Haining, Clark, and Stringer. The following new members were elected: Messrs. Lansdell, C. H. Hewitt, and Haining; and the following associates: Messrs. H. Bowen, F. R. Clark, and J. Stringer. Mr. Bernard Ellis introduced a discussion on

Parliamentary Representation of Pharmacists.

He said that at a time like the present, when pharmacy is seeking firmly to establish a position among other learned arts and sciences, it is opportune that discussion should take place in the leading pharmaceutical associations of Great Britain in respect to the representation of pharmacy in the House of Commons. Everyone will admit that to place the Act of 1908 on the Statute Book was no uncommon event. It is not so many months ago that some almost lost their tempers at the very slow progress the Pharmacy Bill of 1908 was making. All legislation in England from the earliest Anglo-Saxon times has been of the piecemeal type, and even a combination of enthusiastic pharmacists will not alter the English method of creating statute law. We are only just beginning to know the right lines to pursue if we are to rank as a learned and respected society—viz., the proposed method of Parliamentary representation. Mr. Ellis felt that a great number of pharmacists do not quite understand the purport of such representation, and he indicated briefly what one member of Parliament can do in respect to private Bill legislation. He then proceeded to explain how private Bills pass through Parliament, and as to the proper representation for pharmacists said:

A knowledge of Parliamentary procedure, constitutional law, and constitutional practice form the mental equipment of the person who would represent pharmacists of the future. He recommended Mr. Glyn-Jones, first, because he is a pharmacist and knows pharmacy law and the weaknesses of that law; secondly, because he is a barrister-at-law of the Middle Temple, and, when called to the Bar, was placed in the first class, obtaining a certificate of honour; thirdly, he is the most competent person at the present time to represent pharmacists, owing to his being in constant touch with the Pharmaceutical Council and the feelings of the pharmacists in the country.

Mr. Ellis then told in outline the advantages which would accrue to pharmacists by having in the House a member who had undertaken to look directly after their interests.

The President, while admiring all that Mr. Glyn-Jones had done for the trade through the P.A.T.A. and the C.D.A., said if Mr. Glyn-Jones went to any constituency and declared that he was intending to devote all his time to pharmaceutical interests, he thought his chances would be very remote. As one who took a close interest in local and imperial politics, he would be debarred from appearing on Mr. Glyn-Jones's platform.

Mr. J. G. Jackson said he was unconvinced that Mr. Glyn-Jones representing pharmacy in Parliament would do any good. They had been legislating for twenty years, and all the result they had was the title "pharmacist," and he doubted whether it was worth much. Although he had every confidence in Mr. Glyn-Jones, he did not see how he could do more than the two gentlemen who had represented them in the present Parliament. Their esteemed friend, Sir Jesse Boot—(laughter)—had done an enormous amount of work simply by lobbying, and he thought they might use the same method effectually.

Mr. Appleton also said he was not in favour of Mr. Glyn-Jones's candidature, although he had the greatest admiration for him personally. The new title, he added, was absolutely worthless, as the public do not know the difference between "Appleton's pharmacy" and "Appleton, pharmacist."

Mr. Haining asked if Mr. Glyn-Jones would join the I.L.P., and Mr. Ellis said he did not think so. Mr. Haining: "Then he would be like a voice crying in the wilderness."

Mr. Hewitt said if they had run a candidate for each side of the House they would have got the money.

Mr. Chadwick was in favour of Mr. Glyn-Jones's candidature, although he thought it better to have run two candidates. Mr. Williams was of the same opinion; and after an animated discussion, Mr. Ellis replied and was thanked.

The Hon. Secretary announced that two or three evenings during the session were to be devoted to trade topics.

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

Mr. Thomas Furniss, Snaefell Avenue, Tuebrook, Liverpool, retired chemist, left estate of the gross value of 1,023*l.* 0*s.* 1*d.*, with net personalty 701*l.* 3*s.* 6*d.* (*C. & D.*, October 23, p. 636.)

Mr. John Kingdom Hobbs, 15 Crownhill Road, Harlesden, London, N.W., chemist and druggist, left estate valued at 737*l.* (*C. & D.*, September 18, p. 467.)

Mr. John Paget, Loughborough, formerly in business as a pharmaceutical chemist, left estate of the gross value of 5,347*l.* 9*s.* 7*d.*, of which the net personalty has been sworn at 2,304*l.* 11*s.* 1*d.* (*C. & D.*, August 21, p. 337.)

Mr. James Francis Margetson, Crouch Street, Colchester, chemist and dentist, left estate valued at 286*l.* 2*s.* 11*d.* (*C. & D.*, October 9, p. 569.)

Mr. Robert Newman, Cotham Brow, Bristol, chemist and druggist, left estate of the gross value of 1,782*l.* 14*s.* 8*d.*, with net personalty 1,640*l.* 13*s.* 3*d.* (*C. & D.*, June 12, p. 904.)

Will History Repeat Itself?

[Mr. C. E. B. Merriman, chemist, West Bridgford, who sends this Armada suggestion, wonders if history will repeat itself. Our poet doubts it.]

The gallant Drake, in days of old,
Played bowls with cool and calm bravada,
What time the Spaniards, waxing bold,
Came sailing with their big Armada.

The modern Drake is heedless too,
Of Agri-horticultural Pirates,
Though Cumberland attention sue,
And Scotland with vexation gyrates.

"We'll play, and Fate shall hold the stakes,
All in good time we'll give attention!"
Meanwhile the Foe play ducks and drakes
With Pharmacy, and chemist quakes
And dreams of early old-age pension.

New Books.

These notes do not necessarily exclude subsequent reviews of the works. Any of these books printed in Great Britain can be supplied, at the published price, to readers of this journal on application with remittance to the Publisher of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Brodie, James A. F. *Nitrate Facts and Figures, 1909.* 2*s.* 6*d.* net. (F. C. Mathieson & Sons.)

Buchanan, R. J. M. *The Blood in Health and Disease.* 8¾×5½. Pp. 334. 12*s.* 6*d.* net. (Frowde.)

Buller, A. H. R. *Researches on Fungi.* An account of the production, liberation and dispersion of the spores of Hymenomycetes treated botanically and physically. 9¾×6½. Pp. 300. 12*s.* 6*d.* net. (Longmans.)

Epidemic Disease Proceedings Advisable in Places Threatened or Attacked. 1*d.* (Wyman.)

Gemmell, G. H. *Chemical Notes and Equations, Inorganic and Organic.* 7½×4½. Pp. 230. 5*s.* net. (Baillière.)

Kahlenberg, L. *Outlines of Chemistry.* 8vo. 11*s.* net. (Macmillan.)

A Meeting of the Creditors of M. J. Fecher, chemist's sundriesman, 1 Mallow Street, Old Street, E.C., was held at the offices of Messrs. Lumley & Lumley, solicitors, on November 3, when a statement of affairs prepared by Mr. James Mortimer, accountant and auditor, 37 Queen Victoria Street, E.C., was presented. This showed liabilities 2,633*l.* 15*s.* 3*d.*, of which 2,548*l.* 15*s.* 3*d.* was due to the trade, as well as other claims. After allowing 4*l.* 13*s.* 9*d.* for preference claims, the assets were estimated to produce 933*l.* 7*s.* 11*d.*, the estate thus showing a deficiency of 1,650*l.* 7*s.* 4*d.* Mr. Lumley stated that in 1904, owing to a nervous breakdown, the debtor was unable to devote the whole of his time to the business, which was consequently carried on at a loss. In 1905 the debtor returned, as he hoped, in improved health, but had a further break down, and had to go away for some considerable time. He has now returned, but he is probably not in a sufficient state of health to devote the whole of his time and attention to the business. After considerable discussion it was decided that the debtor should execute a deed of assignment to a trustee, who should be authorised to sell the estate for a composition of 6*s.* 8*d.* in the pound, payable by four quarterly instalments, the last two instalments to be secured. Mr. E. H. Hawkins (Messrs. Poppleton & Appleby, C.A., 4 Charterhouse Square, E.C.) was elected to act as trustee, and a committee of five of the principal creditors was also appointed.

Personalities.

Mr. Max Muspratt has been "nursing" the Widnes Division for some time, but is now mentioned as a most likely candidate for the Exchange Division of Liverpool, in the event of Mr. R. Cherry, K.C., being appointed to the Irish Judicial Bench. Mr. Muspratt is a director of the United Alkali Co., Ltd.

The Lords Commissioners of his Majesty's Treasury have appointed Dr. James Johnstone Dobbie, F.R.S., Director of the Royal Scottish Museum, Edinburgh, to be Principal Chemist of the Government Laboratories, Clement's Inn, London, in place of Sir T. E. Thorpe, C.B. Dr. Dobbie was born in Glasgow on August 4, 1852, and was educated at the High School there and studied at Glasgow University, where he graduated as M.A. He also studied at the Universities of Edinburgh and Leipzig, graduating as D.Sc. at Glasgow, where from 1881 to 1884 he was assistant to the Professor of Chemistry. In the latter year he was appointed Professor of Chemistry at the University College of North Wales, Bangor. Dr. Dobbie devoted much time to chemical research, especially in regard to the constitution of alkaloids and on the relation between the chemical constitution and the absorption spectra of organic compounds. His work on corydaline and allied alkaloids is of a high order. Dr. Dobbie was appointed in 1903 to be Director of the Royal Scottish Museum at Edinburgh. He is a Vice-President of the Chemical Society.

Dr. J. J. Dobbie

Mr. William Hood Wandless, chemist and druggist, has been selected as Liberal candidate for Whitehaven. Mr. Wandless is the eldest son of the late Rev. A. M. Wandless, Congregational minister of Parton, near Whitehaven, and was born there on February 4, 1873. In 1889 he was apprenticed to Messrs. Wilson & Kitchin, chemists, Whitehaven, and while an apprentice gained our "Corner for Students" prizes on several occasions. After his apprenticeship he went to Torquay as an assistant to Mr. John Taylor with whom he remained for eighteen months, and then went to Edinburgh to study under Mr. William Duncan for the Minor examination, which he passed in October 1897. Returning to Whitehaven, he became dispenser to a medical practitioner, and at the same time acted as teacher of chemistry, physiology, and hygiene under the County Council scheme of secondary education. He began business on his own account in Duke Street, Whitehaven, in 1899, and some time afterwards was appointed a member of the Executive Committee of the Council of the Cumberland and Westmorland Chemists' Association, and helped in the drafting of its constitution. In 1901 he became a member of the Town Council, and in 1907 of the County Council, and there has received a training in public affairs which he hopes to turn to good account in the larger and more important sphere of action at Westminster. The present member for Whitehaven is a Liberal.

Mr. W. H. Wandless

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, E.C., November 11.

GENERAL business in drugs and chemicals is somewhat slow, but there is a steady undertone in most products with few price alterations. Quicksilver is again a feature, the leading importer having sold on Monday at an advance of 10*s.* above his previous nominal price, and in second-hands a premium of 2*s.* 6*d.* has been paid. Mercurial salts have been raised 2*d.* to 2½*d.* per lb., and will follow any further rise in the metal. Higher prices are again reported to have been paid for opium by the United States, Continent, and speculators. Codeine and salts, as was indicated last week, have advanced a further 7*d.* Morphine is unaltered with makers very busy, and the advanced rates are being paid. Japanese refined camphor is more active and firmer for distant shipment. China crude is difficult to move as the prices of monopoly camphor are more favourable. Platinum salts are dearer, benzols are a trifle firmer, and sulphate of ammonia is very quiet. Among drugs, chiretta and gamboge are steady, new China galls are easier, and Soudan acacia is firm for shipment. New manna remains high. Tonquin musk is held at firmer rates. Myrrh is easy and olibanum firm, good drop being scarce. Mandrake (podophyllum) is cabled firmer. Rhubarb is unaltered at last week's easier rates, and new Spanish saffron is higher, the crop having proved much smaller. Bengal turmeric and Hankow wood-oil are firmer. Menthol has recovered from last week's liquidation sales, and there are practically no offers from Japan at the moment. American peppermint-oil is quiet, but Japanese is firmer in sympathy with menthol. New lemon and bergamot oils are selling more freely for shipment at materially unaltered rates Otto of rose is firm at primary sources. The fluctuations have been as follows :—

Higher	Firmer	Easier	Lower
Codeine and salts Mercurials Platinum salts Quicksilver Saffron Vermilion	Benzols Camphor (Jap. ref.) Mace (W. I.) Mandrake Menthol Musk (Tonq.) Turmeric Wood oil (Hankow)	Chillies Galls (China) c.i.f.	Ammonia sulphate

Cablegrams.

SMYRNA, November 5.—Further sales of opium, amounting to 120 cases, have been made to the United States, the Continent, and speculators at up to the equivalent of 19*s.* 9*d.* for new Karahissar, and the price of 11 per cent. is now equal to 20*s.* 3*d.* per lb.

SMYRNA, November 10.—A further eighty cases of opium have been sold for United States account at up to the equivalent of 20*s.* per lb., and 20*s.* 6*d.* is now asked for "extra" Karahissar t.q.

NEW YORK, November 11.—Business in drugs is fair. Opium is firm at $5.75 per lb. for druggists' by single cases. Peppermint oil is normal at $1.90 per lb. for "tin" oil. Canada balsam has advanced to $5.50 per gal. Mercury has again advanced, and is now quoted at 72c. per lb. Senega is quiet at 55c., and hydrastis (golden seal) is steady at $1.90. Damiana is higher at 22c. per lb.

Heavy Chemicals.

There is a continued steady trade being done at practically all centres of the heavy-chemical market, and the general tone of the market may be described as being on the whole fairly satisfactory. Miscellaneous business for early delivery on home account is rather on the quiet side, but deliveries against existing contracts are steady and a very fair average.

ALKALI-PRODUCE.—Main products remain much as lately reported, and a very fair amount of business has been concluded for forward delivery, and especially in ammonia, alkali and caustic soda. Bleaching-powder, owing to earlier business, has been quieter. Makers keep their quotations steady, and it is only in the case of really important business that there is any chance of any concessions.

SULPHATE OF AMMONIA.—This market at the moment is very quiet, and actual new business has been very scarce. The supply, however, has been fairly well taken up by orders previously placed on forward account, and this has had the effect of limiting the decline in values. For forward, makers still hold out for higher prices, and since the ideas of buyers are about prompt figures, business is limited. Present nearest figures: Beckton, 11*l.* 5*s.*; January-June, 11*l.* 8*s.* 9*d.*; Beckton terms, 10*l.* 18*s.* 9*d.*; London, 10*l.* 18*s.* 9*d.*; Leith, 11*l.* 5*s.*; January-June, 11*l.* 10*s.*; Liverpool, 11*l.* to 11*l.* 1*s.* 3*d.*; and Hull, 10*l.* 18*s.* 9*d.*

BENZOLS are somewhat firmer, and there is a fair demand both for prompt and forward, though near production is well sold; 90-per-cent. stands 5¾*d.* to 6¾*d.* and 50-per-cent. 6¾*d.* to 7½*d.*, according to market.

BICHROMATES OF POTASH AND SODA continue in fairly good request at unaltered figures. Bichromate of potash, English and Scotch deliveries, 3½*d.* per lb. less 5 per cent., and export 3¼*d.* per lb. net f.o.b. Glasgow. Bichromate of soda, English and Scotch deliveries, 3*d.* per lb. less 5 per cent., and export 2¾*d.* per lb. net f.o.b. Glasgow.

[Our correspondent wires that ammonia sulphate for 1910 delivery is quoted at 10*s.* per ton lower in some instances.—ED.]

Manchester Chemical-market.

Manchester, November 9.

The returns of exports and imports just published show a fair improvement so far as quantities are concerned, but values are scarcely so good as at the corresponding period of last year. In heavy chemicals, caustic soda is scarce at 10*l.* 5*s.* per ton for 70 per cent. Bleaching-powder is reported higher on export account. For prompt delivery, softwood casks, on rails, the range is 4*l.* 2*s.* 6*d.* to 4*l.* 7*s.* 6*d.* Salt cake is quietly steady at 42*s.* 6*d.* per ton, delivered, prompt and forward. Sulphate of copper has an upward tendency, in sympathy with the appreciation in raw metal. To a great extent, however, prices are nominal. There is a better inquiry for white powdered arsenic at about 12*l.* 10*s.* to 13*l.* delivered here. Lead salts are firm. Acetic acid tends upwards. Oxalic is quoted 2¾*d.* per lb. at Manchester, but lower prices are being accepted for 1910 delivery. Grey acetate of lime (American) is offering at higher prices. Coal-tar products are dull, especially sulphate of ammonia, which is quoted 10*l.* 17*s.* 6*d.* to 11*l.* 18*s.* 9*d.* on rails Manchester. Other sorts show little change.

Continental Drug and Chemical Markets.

CAMPHOR.—Refined in bells, without allowance for tare for paper, is quoted at from 365m. to 380m. per 100 kilos., according to quantity, for cash.

CANTHARIDES.—It is confirmed that there will be very little Russian crop this year. Offers of new are very scarce, and the opening quotations of 650m. per 100 kilos. have yielded to those of 700m. and more. Chinese blistering-flies, on the contrary, are to be had at 250m. per 100 kilos., with large stocks.

IPECACUANHA is in little demand in Hamburg. Cartagena is quoted 9m. to 9.25m. and Rio at from 13m. to 13.50m. per kilo.

QUILLAIA is steady in Hamburg. "Cut" is quoted at from 75m. to 73m. per 100 kilos. Attempts to buy cheaper for delivery fail, owing to lack of offers.

Java Quinine Auction.

At the auction held at Batavia on November 10, 6,001 kilos. Ed. H. were offered, of which 5,809 kilos. were sold at an average price of 10.20fl. per kilo. (=2.85c. Amsterdam unit), against 9.80fl. per kilo. (=2.65c. Amsterdam unit) at the previous auction.

October Foreign Trade.

Evidence of further improvement in our foreign trade is afforded by the October Board of Trade Returns, the imports showing an advance of 1,905,000*l.*, and the exports one of

923,000*l*. This now makes the total increase in imports for the ten months 15,902,000*l*., while the decrease in exports is now reduced to 7,402,000*l*., as compared with last year. Both imports and exports of chemicals, etc., last month show an advance of 74,467*l*. and 75,101*l*. respectively, but the export medicine business was particularly active, the figures for October being 162,193*l*., or 18,795*l*. more than in 1908, and for the ten months of the year the values of medicines exported amount to 1,409,836*l*., or 133,300*l*. more.

London Markets.

Acid, Acetic.—Glacial (99 to 100 per cent.) is quoted 33*s*. 6*d*., 98 to 99 per cent. ditto 32*s*. 6*d*. per cent. in carboys; 90 per cent. c.p. 26*s*. 6*d*., 80 per cent. c.p. 23*s*. 6*d*. in casks; net, ex wharf, London.

Aniseed is firm at 23*s*. per cwt. for Russian and 37*s*. 6*d*. for Spanish.

Arsenic.—Best Cornish powdered is quoted 13*l*. 15*s*. per ton in ton lots in 4-cwt. casks, c.i.f. London.

Asafetida.—The 34 packages Persian Gulf just arrived will be offered next week. The first pile consists mostly of massed almonds and partly free, and the second pile mostly of pasty pinky block, which is likely to meet a good market.

Benzoin.—Subsequent to the auctions, sales of fair Sumatra thirds have been made at 95*s*., and fair seconds at from 6*l*. 5*s*. to 6*l*. 7*s*. 6*d*. per cwt.

Bromine.—Supplementing the information given last week (p. 725), we now learn that a further meeting of the German Bromine Convention has been held at which the new conditions submitted met with general approval, and it was unanimously decided to renew for a further period of three years. Meanwhile the constituents have agreed neither to sell bromine independently until November 30 nor without the intermediary of the Convention.

Camphor (Crude).—The spot price for China is from 137*s*. 6*d*. to 140*s*., and to arrive 137*s*. 6*d*. c.i.f. is asked, a figure which prohibits business.

Camphor (Refined) is dearer. Last week the market closed with sales of tablets at up to 1*s*. 7½*d*. c.i.f., and this week ½-oz. size for November shipment have been sold at 1*s*. 7¾*d*., December-January at 1*s*. 7½*d*. to 1*s*. 7¾*d*., and February-March at 1*s*. 8*d*. c.i.f. Slabs (2½ lb.) have been in fair demand with sales of January-February shipment at 1*s*. 6¾*d*. c.i.f., being fully ¼*d*. dearer.

Canary-seed continues dull and slow of sale. Ordinary Morocco is quoted 43*s*. to 44*s*., good 47*s*. to 50*s*. per quarter. Turkish and River Plate are nominal at 45*s*. to 48*s*.

Capsicums. Steady. At auction 63 bags of good picked red Nyasaland sold at from 40*s*. to 49*s*., and bold dark at 37*s*. Picked yellow Coconada were bought in at 50*s*., and 12 barrels West Indian sold at from 41*s*. to 42*s*. for fair yellow.

Caraway-seed is steady at 29*s*. 6*d*. to 31*s*. per cwt. for common to good Dutch.

Cashew Nuts.—Good qualities are scarce and wanted; the price would be about 50*s*.

Chillies.—Lower. At auction 57 bags Nyasaland sold at 44*s*. for fair bright, and 40*s*. for red and yellow. Fair bright red Japanese were bought in at 38*s*.

Chiretta.—Business has been done at 3*d*. per lb.

Cloves.—At auction 12 cases Penang were sold at 4*s*. 1½*d*. for fair picked, being dearer. Privately, sales of Zanzibar on the spot have been made at 4⅞*d*. for fair. The delivery market closed on Wednesday with a firmer tone and small business. There were buyers of January-March delivery at 4⅞*d*., March-May at 4 15/16*d*., and January-March shipment at 4¾*d*. c.i.f., d/w.

Codeine.—As was foreshadowed last week, the makers on Tuesday announced a further advance of 7*d*. per oz., which now makes the price of the pure cryst. and pure precip. 12*s*. 8*d*., hydrochloride and sulphate 11*s*. 10*d*., and phosphate 11*s*. per oz. net, with the usual reduction for 70-oz. contracts.

Coriander-seed is unchanged at 8*s*. 6*d*. to 9*s*. per cwt. for wormy Morocco, and 10*s*. to 10*s*. 6*d*. for good sound seed. English is scarce this season and is dear at 22*s*. per cwt.

Cumin-seed sells slowly at 34*s*. to 36*s*. per cwt. for ordinary to good Morocco, and 37*s*. 6*d*. for Malta.

Fenugreek-seed can be bought at 8*s*. 6*d*. per cwt. for fair Morocco.

Galls.—China of new crop are quoted 42*s*. for ordinary for December-January shipment, and plum-shaped at 45*s*. 6*d*. c.i.f.

Gambier.—Small sales of cubes have been made at 38*s*. per cwt. spot.

Gamboge.—Small sales of good Siam pipe have been made at 14*l*. 15*s*. per cwt.

Ginger.—Quiet. At auction 140 bags of washed rough Cochin were bought in at 40*s*. Privately, Japanese for January-February shipment is quoted 31*s*. 3*d*. c.i.f.

Glycerin.—The market for double-distilled s.g. 1,200 quality remains very firm at the advance of a fortnight ago, the official quotation being 94*s*. per cwt. for five-ton lots and upwards in 56-lb. tins for the home trade, and in second-hands there is very little available at below this figure.

Gum Arabic.—Soudan gums are steady with small sales at up to 31*s*. 6*d*. per cwt. for half-hard on the spot; arrival market is firm. Senegal gum is scarce in Bordeaux: 30*s*. 6*d*. f.o.b. Bordeaux might be accepted for December delivery.

Honey.—The West Indian Produce Association, Ltd., calls attention, in the West India Committee Circular, to the fact that shippers of honey and other West Indian produce do not always use clean packages for their goods. He reports that he has come across some honey from St. Lucia (recently sold in the London drug-auctions) put up in old kerosine-tins that had not been thoroughly scalded, and the consequence is the oil refuse gets mixed up with the honey and makes it unsaleable. He also suggests that the casks used for Jamaica honey might, in several cases, be much better cleaned out than at present.

Ignatius Beans.—A few bags have been sold at 1*s*. 6*d*. per lb.

Linseed is very firm at 60*s*. per quarter for good qualities.

Mace.—Dearer. At auction 79 packages West Indian sold at from 1*s*. 8*d*. to 1*s*. 10*d*. for fair to good palish; 1*s*. 6*d*. to 1*s*. 7*d*. for fair reddish; 1*s*. 5*d*. to 1*s*. 6*d*. for dark red, and 1*s*. to 1*s*. 3*d*. for broken.

Manna.—The indications given in previous reports as to the small crop have now been verified and prices for the new crop open high at from 4*s*. 4*d*. to 4*s*. 6*d*. per lb. for bold selected, 3*s*. 1*d*. for large flakes, 2*s*. for small ditto, and 1*s*. 8*d*. for gerace, net f.o.b. Palermo.

Menthol.—Firmer. Re-sales of the parcels ex auction have been made, including Suzuki at 8*s*. There are sellers at 8*s*. to 8*s*. 1*d*., and of Kobayashi at 8*s*. 3*d*. spot. To arrive there are practically no offers obtainable from Japan at the moment, the last business being at 7*s*. 7½*d*. to 7*s*. 8*d*. for Kobayashi for shipment to end of February.

Mercurials.—As a result of the advance in quicksilver to 9*l*. 15*s*. per bottle in first hands, the makers on Monday raised their prices by 2*d*. (with the exception of red oxide of mercury, which has advanced 2½*d*. per lb.), the prices for lots below 2 cwt. now being as follows: Calomel, 3*s*. 2½*d*.; corrosive sublimate, 2*s*. 10½*d*.; red oxide, 3*s*. 6*d*.; yellow oxide, 3*s*. 8*d*.; white precipitate, 3*s*. 6*d*.; persulphide, 2*s*. 10½*d*.; black sulphide, 2*s*. 10½*d*. per lb., without engagement.

Morphine.—The makers quote from 8*s*. to 8*s*. 3*d*. net for the muriate powder, and in second-hands 7*s*. 11*d*. net is quoted. A good business has been done.

Musk.—Good Tonquin blue skin Pile I. is now held at 65*s*. per oz., sales having been made at slightly under, and in old-fashioned Pile I. business has been done at 52*s*. 6*d*. Good China Cabardine is worth 25*s*., and the last business in Russian was at 18*s*. per oz.

Myrrh.—Small sales of fair sorts have been made at from 55*s*. to 57*s*. 6*d*. per cwt.

Nutmegs.—At auction 318 packages West Indian were sold at unaltered rates.

Oil, Aniseed, Star.—Quiet, with small sales at 4*s*. 8*d*. per lb. spot, and to arrive sellers quote 4*s*. 1*d*. to 4*s*. 1½*d*. c.i.f.

Oil, Bergamot, has been fairly active recently at primary sources, local buyers having purchased a round parcel at the parity of about 15*s.* per lb. c.i.f. terms, and in other directions quotations are up to 16*s.* c.i.f. London.

Oil, Castor.—Medicinal Italian in cases is quoted 39*l.* 10*s.* per ton, medicinal French at 32*l.* 10*s.*, first-pressing ditto at 30*l.* 10*s.* per ton, ex wharf, London.

Oil (Cod-liver).—Our Bergen correspondent writes on November 8 that the market is quiet but firm, at the equivalent of 70*s.* per barrel c.i.f. London, for finest non-congealing Lofoten quality. The exports from Bergen to date amount to 14,464 barrels, against 19,812 barrels at the same date in 1908. In London small sales are being made at from 68*s.* 6*d* to 70*s.* c.i.f. terms. The lower qualities of medicinal oil are reported to be very scarce on the spot.

Oil, Lemon.—According to a Palermo report of October 30, the market remains unchanged, export business being limited, while locally there do not appear to be many requirements to fulfil previous sales. This, in spite of the interests of some bullish speculators who would like to liven up the market in order to support speculative purchases which they have made on new crop oil. Although the market has not shown a rising tendency, it has not, on the other hand, been possible to obtain a reduction on previous prices, as the available supply is now in strong hands, and holders generally consider, owing to the uncertainty ruling as regards the future course of new crop, that at the present level of prices they may just as well take their chances for a month or two. From 3*s.* per lb. c.i.f. London is quoted, and here there is more activity with regard to new crop.

Oil, Olive.—Qualities suitable for druggists' purposes are quoted at from 4*s.* to 4*s.* 6*d.* per gal., and for eating oils from 6*s.* 6*d.* to 6*s.* 9*d.* per gal. is quoted. The Acting British Consul at Malaga reports that, in view of the fact that a large olive crop is expected in that district, the production of sulphur olive oil is likely to be proportionately abundant. The absence of rain in the district, however, up to the time of writing (October 7) was causing the fruit to fall in considerable quantities for lack of moisture. H.M. Consul at Naples reports that the production of olive foots oil for this season in Southern Italy, excluding Sicily, is roughly estimated at about 12,000 tons. About a third of this quantity will be discoloured and de-acidified, so that there will be a remained of about 8,000 tons of plain sulphur olive oil. The Acting British Consul at Palermo reports that the production of sulphur olive oil (pyrene or olive foots oil) during 1909 in Sicily is estimated at 3,850 metric tons.

Oil, Orange, remains unchanged. The pressing of new crop will be in full swing this month, and practically the same figures are mentioned for the available supply of last season's oil. *Sweet* is quoted 6*s.*, and *bitter* 6*s.* 1½*d.* per lb. c.i.f.

Oil, Peppermint.—American tin oil is quiet at from 8*s.* 6*d.* to 8*s.* 9*d.* spot, and at 8*s.* 6*d.* to 8*s.* 9*d.* c.i.f., according to brand. HGH is unaltered at 10*s.* 9*d.* to 11*s.*, the higher prices being more generally current. In Japanese oil business has been done at from 5*s.* 3*d.* to 5*s.* 4½*d.* c.i.f. for arrival for Suzuki, and on the spot the quotations are 5*s.* 8*d.* for Suzuki and 5*s.* 9*d.* for Kobayashi.

Oils (Fixed).—*Linseed* is firm at from 30*s.* 3*d.* to 30*s.* 6*d.* for pipes on the spot, and at 30*s.* in barrels. *Rape* is quoted at 25*s.* 6*d.* for ordinary brown crude, and at 27*s.* 6*d.* for English refined in casks. *Cottonseed* is quiet at from 26*s.* 6*d.* to 26*s.* 9*d.* for new crude on the spot, at 28*s.* for ordinary pale refined, and at 30*s.* for sweet refined. Ceylon *Coconut* is steady at 37*s.* to 38*s.*, and at 43*s.* for Cochin. *Soya Bean* is quoted at 24*s.* 6*d.* naked on the spot, and Lagos *Palm* oil is unchanged at 30*s.* 6*d.* *Turpentine* has declined to 40*s.* 3*d.* to 40*s.* 6*d.* per cwt. on the spot. *Petroleum* is quoted at 5¾*d.* for Russian, at 6*d.* to 6¼*d.* for ordinary refined American, and at 7*d.* to 7¼*d.* for water-white.

Olibanum.—Firm. Fair drop is scarce on the spot, stocks being mostly common qualities. A small business has lately been done at 45*s.* for good drop, 27*s.* 6*d.* for ordinary, 15*s.* 6*d.* for fair garblings, and 16*s.* to 17*s.* per cwt. for siftings.

Opium.—It will be seen from our Smyrna cables that the United States is reported to have paid up to 20*s.* per lb. for Karahissar opium, but considerable doubt is expressed in well-informed quarters on this side as to whether actual business has been done at these rapidly increasing prices, the belief strongly prevailing that the market is being manipulated in the interests of Smyrna and Constantinople dealers. The foundation for this belief is the fact that in London Turkey opium is obtainable at several shillings less than what is said to have been paid in Smyrna, and we understand that in one instance several round lots of druggists (11 per cent.) have been definitely offered at 18*s.* per lb. net without finding buyers, which fact alone discredits the 20*s.* figure. On the spot little business has been done. Persian opium sellers quote 18*s.*, but probably business could be done at 17*s.* 9*d.* to arrive; the last price paid was 17*s.* 7½*d.*

Writing on October 29, a Smyrna correspondent states that the week has been very active, with sales amounting to 146 cases, of which 133 were for U.S.A., nine for account of Interior speculators, and the balance for the Continent. The last prices paid were 15*s.* to 15*s.* 6*d.* for current t.q., 16*s.* to 16*s.* 3*d.* for Karahissar t.q., 16*s.* 6*d.* to 17*s.* for extra ditto, and 18*s.* for selected Yerli. Market closes very firm at above figures with buyers. The general opinion is that we shall reach 20*s.* later, and very likely higher, should America and speculators continue to respond to every advance. The arrivals to date amount to 1,629 cases against 1,869 cases.

Writing on October 30, another Smyrna correspondent states that the sales amount to 160 cases, mostly for the U.S.A., commencing at 155p. and closing at 160p., equal to 17*s.* 6*d.* per lb. c.i.f. European ports. The market is rising daily, and the more business done the higher prices go, the insufficiency of the stocks serving as a pretext. Arrivals on the Smyrna market have been better during the past three weeks owing to parcels coming in from Constantinople. During October 497 cases have been sold in Smyrna, mostly for U.S.A., at between 14*s.* to 14*s.* 6*d.*, and ending at 16*s.* 3*d.* to 16*s.* 9*d.* The stock (especially richer Karahissar and Yerli) has greatly diminished, and higher prices are looked for. The arrivals to date amount to 1,629 cases, against 1,869 cases, and in Constantinople to 2,159 cases, against 1,565 cases.

Writing on November 8, A Smyrna correspondent reports sales for the previous week of 160 cases, of which 140 were for U.S.A., ten for England, and ten for local speculators. Prices opened at 161 piastres, or 18*s.*, and closed at 175 piastres, or 19*s.*, c.i.f. for Karahissar t.q.; speculators have purchased "extra choice" at 180 piastres, or 19*s.* 6*d.* Old qualities have been sold at about 6*d.* below the price of new crop, and the market closes firmly with buyers. Arrivals are 1,660 cases, against 1,887 cases.

Otto of Rose.—According to reports received from Bulgaria the bulk of the stock has now passed from the peasants' into dealers' hands, and consequently the market is firm. Owing to adulteration, which this season has been practised more than ever, several leading exporters have had great difficulty in delivering pure otto against contract, and this has led, in one instance, to a buyer repudiating his contract. On the spot leading brands offer at from 19*s.* 6*d.* to 22*s.* 6*d.* per English oz.

Pepper (Black).—At auction 154 bags Singapore were bought in at 4*d.* to 4⅛*d.*, and 100 bags of Ceylon sold at from 3¾*d.* to 3⅞*d.* for fair. Privately, the market has been quiet at unaltered rates; sellers of fair Singapore asking 4*d.* on the spot, and for shipment the sales include January-March at 4 5/32*d.* c.i.f., d/w.

Pepper (White).—At auction 66 bags Singapore were bought in at 7¼*d.* for fair. Privately, the market has remained very quiet, with fair Singapore offering at 7*d.*, and to arrive the tone is easier, with sellers of October-December and November-January shipments at 6 15/16*d.*, while for January-March shipment sales have been made at 7 1/16*d.* to 7 1/32*d.* c.i.f., d/w.

Pimento.—At auction 88 bags fair were bought in at 2⅝*d.* Privately the market is quiet, with sellers of November-December shipment at 21*s.* c.i.f.

Platinum Salts.—The prices of platinum chloride, potassium and sodium chloroplatinite have been advanced by 2*s.* 4*d.* per doz. The quotation for the platinum chloride is 22*s.* 11*d.* net per doz. 15-gr. tubes; the potassium chloroplatinite is 25*s.* 9*d.*, and sodium 22*s.* 9*d.* per doz. 15-gr. tubes.

Podophyllum Resin is firmer, business having been done up to 10*s* 9*d.* for B.P. in quantity.

Podophyllum.—Cables to hand this week quote 45*s.* c.i.f., being 1*s.* higher. Spot supplies are practically exhausted.

Quicksilver.—Again dearer. The importer's price after being nominal at 9*l.* 5*s.* at the close of last week, was advanced to 9*l.* 15*s.* per bottle on Monday, at which business was done, the market closing with buyers, and in second-hands 9*l.* 17*s.* 6*d.* was paid for small lots. Subsequently the 9*l.* 15*s.* quotation again became operative from first-hands, the importer being understood to be a sparing seller, and this is the position at the close, while second-hands do not offer.

Rhubarb.—Small sales of fair medium round Shensi of good even pinky fracture and fair coat have been made at 1*s.* 8*d.*, and for fair rough round horny High-dried 5¾*d.* per lb. has been paid.

Saffron.—The new Spanish crop now being gathered is expected to be both small and dear this year, the inclement weather having prevented the bulbs from flowering. Some (probably exaggerated) reports have been received in regard to the extent of damage, but the fact remains that the outlook is for higher rates as the season progresses. Prices of new, open at 34*s.* per lb. net to 32*s.* 6*d.* for commercial quality to arrive.

Senna.—Some 300 bales Tinnivelly will probably be offered next week.

Shellac is quiet but firm, on the basis of 67*s.* for fair free TN orange. For arrival TN for December-January shipment is quoted 67*s.* c.i.f. Futures are higher, with sales of December at 68*s.* to 69*s.*, and May 70*s.* to 72*s.*

Sulphur.—The Consorzio has published some interesting statistics for the three years of its existence. The production during their third year—August 1908 to July 1909—has again been about 400,000 tons, the actual figure being 396,115 tons, which is 11,162 tons less than in their second year. The causes of this reduction are curtailment of credit to producers, diminution of labour owing to emigration, and greater depth of the mines, which means more outlay of capital for working. It seems, therefore, that the balancing of production and consumption is being brought about by natural causes. The Consorzio, by keeping prices steady, has been able to write off the value of its stock; the entire stock of about 600,000 tons figures in their last balance sheet at lire 75 per ton, and a reserve fund of lire 2,950,000 has been carried forward. Nothing has transpired about the sale of the Sicilian stock and production to a company. The new Consorzio Bill will be presented to Parliament shortly, and before the necessary authority to make such a sale is voted, what is said on the matter is chiefly guesswork. The majority of producers so far seem adverse to the scheme. Prices are steady at 83*s.* for best unmixed seconds in bulk, and 81*s.* 3*d.* for best thirds per ton of 1,030 kilos. gross shipping weight. Refined blocks in bulk is 89*s.*; in bags of about 110 kilos, 91*s.* 9*d.*; and 55 kilos., 93*s.*; rolls, in bags of 2 cwt., 95*s.* 9*d.*; and 1 cwt., 97*s.* Flowers of sulphur, in bags of 1 cwt., 110*s.*; and "commercial," 96*s.* 6*d.*; ground sulphur, best seconds, 90*s.* 6*d.*; and "commercial," 95*s.* 3*d.* per ton of 1,015 kilos., all f.o.b. Siciliy.

Turmeric.—Bengal is firmer, with sales of November-December steamer shipment at 15*s.* 9*d.* to 16*s.* c.i.f. London, and for February-April shipment Cochin split bulbs have been sold in quantity at 9*s.* 1½*d.* to 9*s.* 3*d.* c.i.f. delivered weight. The spot price is 13*s.* 6*d.*

Vermilion, in sympathy with mercury, is 1*d.* per lb. higher at from 2*s.* 9*d.* to 2*s.* 10*d.* as to quantity.

Wax, Carnauba, in quantity has been placed at 84*s.* for waxy grey, and 85*s.* has been refused for small lots.

Wood Oil.—The spot price is rather firmer, sellers of Hankow asking 29*s.* to 29*s.* 6*d.* per cwt., ex wharf.

St. Vincent Arrowroot.

An important meeting of St. Vincent arrowroot growers was held on October 9, under the presidency of the Administrator. The Administrator put the present position of the industry before the meeting, and after discussion of various points, it was the consensus of opinion of those present that if growers are to keep abreast of the times and progress, there must be combination among them; the product must be advertised to increase consumption, and an endeavour made to find new markets. The limitation of output would be a retrogressive step, and the meeting was strongly against this step being taken. Subject to the concurrence of all concerned, it was proposed to collect from 3*d.* to 6*d.* per barrel on all arrowroot exported, to wherever sent, and to utilise the amount thus raised for the purpose of advertisement, &c. The proposals which had been made appeared to be sound, and (according to the correspondent of the West India Committee Circular) are worth trying for a period of, say, five years.

Chinese Camphor.

A Chinaman named Liu, who has had some experience in the camphor-industry, is reported (writes our German correspondent) to have discovered considerable tracts of camphor-trees in the province of Hupeh, near Shing-kuo-chao, in the neighbourhood of the Tayeh mine district, and also near Liu-Yang, in the province of Hunan. He has already obtained the monopoly of the production of camphor in both provinces for a period of fifteen years, and has succeeded in interesting a prominent Chinaman of Formosa in his scheme. Up to the present the local population has no experience in the production of camphor, and thirty trained workmen from Formosa have been engaged to instruct the natives. Work has already begun. Hankow will be the market for the enterprise.

London Drug Statistics.

The following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of October and to the stocks on October 31.

—	October		Stocks		1909	
	Landed	Delivd.	1909	1908	Imprtd.	Delivd.
Aloes.....cs. etc.	141	125	526	319	1,577	1,384
,, ...gourds	—	—	209	1,268	92	1,091
Anisoed, star .....cs.	—	—	—	124	—	74
Arrowroot .....pkgs.	631	1,295	6,986	8,105	12,048	11,482
Balsams ... cks. etc.	12	33	541	460	712	533
Calumba ..... bgs.	15	15	51	132	91	227
Camphor ..... pkgs.	1,220	890	2,422	1,624	8,520	7,640
Cardamoms..... ,,	314	638	1,474	1,271	4,815	4,228
Cascara sagrada tons	—	11	432	*	20	204
Cinchona..... pkgs.	226	310	4,409	4,170	4,481	4,254
Cocculus indicus ,,	—	—	—	5	—	—
Cochineal..... tons	2	76	457	694	487	757
Cubebs..... bgs.	—	19	35	136	75	160
Dragon's blood pkgs.	17	25	110	118	200	196
Galls ..... ,,	292	526	1,854	1,221	3,013	2,436
Gums—						
Ammoniacum ,,	—	—	4	4	15	21
Animi ..... ,,	89	58	349	298	894	784
Arabic ..... ,,	786	1,709	6,016	6,111	9,175	8,831
Asafetida..... ,,	—	20	67	232	150	268
Benzoin ..... ,,	220	247	1,140	326	2,731	2,146
Copal..... ,,	2,183	3 444	21 127	24.183	31,947	37,761
Damar ..... ,,	306	333	4,114	3,221	4,082	5,385
Galbanum ... ,,	—			—	—	—
Gamboge..... ,,	—	16	105	97	216	188
Guaiacum ... ,,	—	—	54	92	11	28
Kauri ... tons net	41	89	311	517	429	663
Kino ..... pkgs.	15	3	42	119	17	93
Mastich ..... ,,	—	9	18	14	36	27
Myrrh, E.I.... ,,	15	59	276	393	346	440
Olibanum ... ,,	—	221	536	1,765	510	1,454
Sandarac ..... ,,	94	102	471	351	1,197	1,184
Tragacanth... ,,	12	1,417	4,220	3,412	13,184	12,833
Ipecacuanha—						
Cartagena ... ,,	10	6	75	19	176	118
E.I. ("Johore") ,,	42	19	26	22	60	39
Matto Grosso ,,	1	13	73	74	185	223
Minas ..... ,,	8	22	14	59	60	66
Jalap ..... bls.	—	2	12	17	42	44
Nux vomica . .pkgs.	—	25	1,081	1,536	1,639	747
Oils—						
†Aniseed, star...cs.	—	6	55	31	94	68
†Cassia ..... ,,	—	21	76	64	135	127
Castor ..... pkgs.	28	61	124	261	617	726
Coconut ..... tons	167	131	229	1,421	1,082	2,325
Olive ..... pkgs.	104	444	1,201	2 018	4,663	5,270
Palm ..... tons	28	45	110	139	466	460
Quinine..... lb.	5,025	4,973	202 390	208 717	45,962	53,045
Rhubarb ..... cs.	61	108	569	716	415	738
Sarsaparilla ... bls.	180	180	511	254	1,426	1,167
Senna ..... pkgs.	1,036	541	1,324	1,066	4,635	4,371
Shellac ..... cs.	5,178	3,965	50,341	48,263	48,592	46,372
Turmeric ..... tons	30	8	330	271	293	198
Wax—						
Bees .... pkgs.	839	480	2,503	2,464	4,015	4,115
Vegetable (Jap) ,,	50	123	737	210	1,581	1,026

* No record.

† Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

Correspondence

TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

"Pharmacy."

Sir,—The charter granted to the Pharmaceutical Society states in the preamble that it is granted for the purpose of advancing chemistry and pharmacy and promoting a uniform system of education, and also for the protection of those who carry on the business of chemists and druggists. On referring to a number of dictionaries I found that the definition of pharmacy in all of them was practically the same, and quote the following:

Pharmacy.—That part of physic which teaches the choice and preparation of medicines. (Bailey, 1728.)

Pharmacy.—The art of preparing, preserving, and compounding substances for the purposes of medicine. (Edinburgh Medical and Physical Dictionary, 1807.)

Following the latter definition is a long article explaining thoroughly what pharmacy is, and showing that it needs great skill to understand the art thoroughly. It also states that the theory of pharmacy is the same with that of chemistry, as are also the operations which belong to this inquiry, only in so far as they belong to the medical art distinct from that which is purely chemical. The objects of pharmacy, indeed, are much more limited than those of chemistry, the latter comprehending in the utmost latitude of the word almost every substance in nature, while pharmacy regards only such bodies in the vegetable, animal, and mineral kingdom as by their effects on the human frame tend to preserve health or restore it when lost. Besides the preparation of medicines, pharmacy also includes their composition, which may, indeed, be pointed out as one branch of the art.

Pharmacy.—The art of choosing, preparing, and mixing medicines; the art of the apothecary. (Barclay, 1810.)

Pharmacy.—The art or practice of preparing substances for medicine. (Nuttall.)

For this reason any commonsense person cannot help but realise that the word "pharmacy" means the art of pharmacy, as "chemistry" does the science of chemistry. It is quite as reasonable for a building to be named "The Chemistry" as to call it "The Pharmacy"—that is, if we are to take the dictionaries from as far back as 1728 to the present time as a guide. So far I have been unable to find the word "pharmacy" applied to any building or place, but in every instance it describes it as the "art of pharmacy." Such being the case, it appears to me that any person exhibiting the word is implying that he is specially skilled in the art of preparing, compounding, and mixing substances for use as medicines—*i.e.*, carrying on the business of a chemist and druggist, or art of the apothecary, to all intents and purposes. Therefore the Pharmaceutical Society is quite justified in carrying out the objects for which the charter was granted—viz., in this instance the protection of chemists and druggists, by the prosecution of a person who exhibits a sign which implies that he is carrying on in an open shop the business of a chemist and druggist or apothecary without complying with the conditions imposed in Section 4 of the 1908 Pharmacy Act.

Yours truly,

Burnley, November 5. V. Aylmer Coates.

The following letter has been sent to Mr. Snowden, M.P.:

"Dear Sir,—I desire to thank you for all you have done in the interests of chemists as a professional body. Of course, it is quite clear that the questions asked in the House by yourself and other members would have been of first-rate importance if followed up—as you persisted in recommending—by more immediate and strong pressure on the Government. You will have noticed that the word 'Pharmacy' is now common property, and therefore even the title of 'Pharmacist' has become a mockery, while the 'practice' is to all intents and purposes non-existent. It is worse than that. Every conscientious chemist is handicapped to an incredible extent by the fact of being qualified. Qualification enables a person to work for companies, which essentially is covering and infamous in a professional respect. To be sure, one can set up in 'business' and possibly profit a few shillings from the sale of poisons, but that is not very satisfying. Without a doubt pharmacy—as understood by Jacob Bell, the great historic figure—has been sacrificed at every stage, while companies and capitalists have secured practice and titles inalienably. The chemist has been denuded of every rag or patch of professional attribute. He is without a practice worth the slightest consideration. He is absolutely without exclusive title. All is now a jumble, without form or shape or tangibleness. Yet I beg to thank you, and none the less heartfeltly because we are filled with sadness at what we most certainly are convinced 'might have been.' I have protested in open Council, but essential matters are not reported. It is all abominable and shameful, but there it is. Yours gratefully,

"Philip Snowden, Esq., M.P. R. Lord Gifford."

Chemists' Hours.

Sir,—The interesting and forceful letter of your esteemed correspondent Mr. J. Reid is a timely utterance, and should be carefully considered by every pharmacist. The matter of shop hours has become a burning question, not only because it affects present-day pharmacists in the manner indicated by Mr. Reid, but also because it adversely influences the future of pharmacy, for our long hours deter many promising youths from joining us, and our ranks have to be recruited from a class not so well educated as the circumstances require. Those of us who take apprentices find it increasingly difficult to obtain youths who have the ability to negotiate the necessary examinations; because such youths are able to obtain lucrative employment in occupations where the hours of service are not so long; and unless suitable apprentices enter the trade pharmacy is bound to deteriorate. Mr. Reid shows conclusively that the public appreciates a business that is run on business lines. "Work while you work and play while you play" is a good rule, but a mixture of work and play will never succeed and should be discarded. The time is ripe, and dead ripe, for the change to be made. Limited companies close early, and several individual pharmacists also do the same, without loss of income and with great personal advantage, and it has been proved that even in working-class districts a pharmacist can close at 8 (10 on Saturday) without inconvenience to his customers or loss to himself. I often marvel that chemists do not exhibit a little more self-respect, and cast off the shackles of servitude, without waiting for an Act of Parliament to help them or even delaying the matter in the hope of getting combined action in their respective districts. The public appreciates the man who respects himself, and pharmacists have much to gain and nothing to lose by taking steps to secure a reasonable amount of leisure for social intercourse, self-culture, and recreation.

Yours truly,

Nottingham. William Gill.

Salad Oil.

Sir,—Your correspondent "L'Ecrivain" (*C. & D.*, November 6) asks somewhat plaintively "What is salad oil?" Salad oil not being an official article, obviously the answer is that it is the oil used in the making of salads, and I suppose that any oil can be legally sold for that purpose so long as it is not adulterated or injurious as an article of food. But long usage and trade custom have inseparably identified "salad oil" as the finest qualities of virgin olive oil. It is surprising, therefore, to hear that any "well-known London firm" says in its price-list that "salad oil is not olive oil." It would be most interesting to know what this same London firm says salad oil *should* be. I have before me the price-lists of three of the best-known firms of Italian warehousemen in London, and in each case salad oil is described as "pure olive oil, Lucca"—Lucca being the great centre of production for the finest olives on the West Coast of Italy. No doubt in some cases salad oil, as sold, is not olive oil, for it is well known that large

quantities of cottonseed oil have been used in the past for salad-dressing, or as an adulterant of olive oils, but "what is" and "what should be" are not always the same thing. The edible cottonseed oils on the market of late years have been of the highest quality, especially the American productions, and may be used legitimately and to advantage for many culinary purposes, as frying-oil, &c., and as it is not of itself injurious it may be legally sold and used, but only under its legitimate name. Of late years, the adulteration of olive oil with cottonseed oil has been largely suppressed, and until your correspondent's letter appeared I could have been positive that all the best firms offering salad oil would invariably supply pure olive oils of the finest grades, and regularly give guarantees on the invoice that the oil supplied is absolutely pure. It is difficult to believe that any firm of standing would commit itself to this statement, as it is unquestionable that, when the public ask for salad oil, pure olive oil is wanted. However bland and pleasant the best cottonseed oil may be, it never has the agreeable aroma or taste of the finest Lucca olive oil or Huile de Provence, which are expressed from the olive fruit as distinct from a purely seed oil. The standard dictionaries give "salad oil" as "olive oil used in dressing salads and for other culinary purposes." It is, I think, a fact that, owing to the scarcity of last year's supply of the finest olive oils, practically the whole output was sent to other countries, and the country where it is produced imported large quantities of cottonseed oil for home consumption. There is a most interesting account of the "Olive Oil Industry on the Italian Riviera," by Ernest M. Mellor, in the *C. & D.*, January 23, 1905. "The Grocer" of October 21, 1908, reported a lecture by Mr. W. F. Tupman on "Vegetable Oils and Olives: Some Business Suggestions," in the course of which he says that "on American tables refined cottonseed oil had practically ousted that derived from Californian olives." He also says: "While admitting that olive oil stands pre-eminent, there are other vegetable oils that should not be ignored." An article in the "Daily Telegraph," February 12, 1909, on the failure of the olive crop is headed, "Olive Crop Failure: Scarcity of Salad Oil," one of the sub-headings being, "Treatment of Salad Oil": the "treatment" referring to the finest olive oils. Yours faithfully,

Sutton Coldfield. W. Bousfield.

Preventible Loss on Patents.

Sir,—In your issue of October 30 "Jay Mack" makes a statement as to how 30*l.* per year is lost to the average chemist, and explains this loss by giving details which are misleading and quite inaccurate, as the advice is evidently intended for chemists generally. The list of goods is as follows:

	Supposed Minimum	Present Retail	Loss per Doz.	Loss on Average Sale per Month.
	s. d.	s. d.	s. d.	s. d.
Fennings' ...	1 0	0 10½	1 6	1 6
Carter's ...	1 0	0 10½	1 6	3 0
Kepler ...	1 10	1 8	2 0	0 8
Peps ...	1 1	0 11½	1 6	6 0
Bile Beans ...	1 1	0 11½	1 6	3 0
Zam-Buk ...	1 1	0 11½	1 6	6 0
Doan's ...	2 3	2 0	3 0	9 0
Pink Pills ...	2 3	2 0	3 0	6 0
Clarke's B.M. ...	2 3	1 11½	3 6	0 7
Eno's ...	2 0	1 10	2 0	0 8
Seigel's ...	1 1	0 11½	1 6	3 0
,, ...	2 2	1 11½	2 6	1 3
Total loss per month ...				£2 0 8

In the first place, "Jay Mack" knows a great deal better than most of his readers as to why the prices of Peps, Bile Beans, and Zam-Buk are cut to 11½*d.* in Crewe (the town to which he specially refers). It is on account of the Crewe Co-operative Society, a serious competitor and one to be considered in the town, which retails Peps, Bile Beans, and Zam-Buk at 1*s.* 1*d.*, and allows its customers a "bonus" or rebate of about 2*s.* 6*d.* in the pound. So long as this practice is allowed to continue, the working classes of Crewe will not pay ordinary chemists 1*s.* 1*d.* for the same goods. The same remarks apply to Kepler products and Carter's pills. The makers of these goods seem either helpless or indifferent in the matter, and Crewe retailers either have to throw out the stock or meet this indirect underselling of the Co-operative Stores. "Jay Mack" knows this as well as anyone in Crewe, and it is wrong to mislead chemists in other towns by omitting the essential reasons. Possibly there is not another town in England where the recognised minimum prices for the above five lines are not maintained. Well, this little explanation reduces "Jay Mack's" "estimated loss" of 2*l.* 0*s.* 8*d.* per month by 18*s.* 8*d.* As to the remaining articles, there never has been a "supposed or recognised minimum" on Doan's Pills, Williams's Pink Pills, Clarke's Blood Mixture, or Eno's Fruit Salt, and, as long as that remains, there can be no supposed loss by the non-maintenance of "supposed minimum" prices. This reduces the loss by another 16*s.* 3*d.*, or 34*s.* 11*d.* in all. The two remaining items—Siegel's Syrup and Fennings' preps. did once have minimum selling rates, but same were withdrawn from the P.A.T.A. list on account of the latter's decision with regard to co-operative stores. There are now no minimum prices on Seigel's or Fennings', and this clears the remaining 5*s.* 9*d.* of the assumed loss of 40*s.* 8*d.* per month. "Jay Mack's" statement, "Let them study the little list which I give, and which shows that even chemists in a small way of business are losing 20*l.* to 30*l.* of net profit on a dozen popular patents," is therefore incorrect, misleading, and quite unworthy of "Jay Mack," as in almost every other town full minimum prices are already obtained for Kepler, Peps, Bile Beans, Zam-Buk, and Carter's, and of these five minimum prices four are controlled by direct private agreement with manufacturers and one by the P.A.T.A.

Verax. (234/59.)

"Alert" Methods.

Sir,—Allow me to thank "Alert" for his timely letter. I consider he hits the mark when he says that chemists are not business-like. Sir Jesse Boot found that out years ago, and everyone else too, or why should other stores have put unqualified managers over so many qualified men before the new Act?—and are doing it yet virtually. With regard to Ucal, Mr. Miller has not replied to "Alert's" question, viz., "How will it work out in practice?"

Yours faithfully,

Enterprise. (235/17.)

Sir,—I was highly amused to read in last issue Mr. H. Miller's reply to my letter; it proves to the hilt my contention concerning the very much mistaken notion possessed by many chemists that self-confidence is synonymous with business ability. I did not suggest we were all in business for the public benefit or in business to make a living. What we as pharmacists are eager after is something more than a mere living or existence. Mr. Miller is correct in one particular: he admits Ucal does not expect a business man to pay 6*s.* 6*d.* for an article he can obtain or manufacture for less; then, how can Ucal possibly meet their high expenses, not to mention a 10 per cent. dividend? I am delighted to think the knowledge that I make my rent from one proprietary, whose formula was published by my old friend the *C. & D.*, has let a gleam of sunshine into Mr. Miller's apparently gloomy existence; possibly I can still further assist him in this direction, as from other *C. & D.* formulæ "Alert" is getting his rates, taxes, light, and a few other little items such as sundry substantial sums put out for safe investment, and this after paying for the business premises he occupies. Faithfully yours,

Alert. (234/70.)

Information Received from Subscribers.

Please Note.

Our name was mentioned on two or three occasions in a Pharmacy Act case reported in the *C. & D.* last week. We beg to state that beyond supplying the business with goods, we have no connection or interest whatever in it.—*Brook, Parker & Co., Ltd.*

Pearson's Antiseptic Co., Ltd., inform us in regard to the note in the *C. & D.*, October 30, p. 667, as to the sale of creolin in small quantities in Germany, that the express condition is that the name and full address of the seller should be on the label, not Mr. Pearson's name as our paragraph stated.

A New Toy.

A novel and dangerous variety of firework came to light on Thursday, November 4, in Blackburn. The apprentice of

a local chemist, reading in an encyclopædia that a mixture of potassium chlorate and powdered nutgalls formed an explosive compound, and finding some empty sparklet bulbs in a drawer, proceeded to manufacture a number of "bombs." These were fired by means of a fuse, but while a companion was holding one it exploded violently and so shattered his hand that half of it, including two fingers, had to be removed by a surgeon. He was also badly burned on the face. It is a curious and sad fact that the victim of the accident had only on that morning discarded a pair of crutches which he had used for some months.—(232/65.)

The Early-closing Movement.

Arising from our last report (October 30) of the Croydon Pharmacists' Association, when an early-closing resolution was arrived at, a member (231/24) sends us the following notes of "A Pharmacist's Problem Play":

Time, 9.30 p.m.; pharmacist in drawing-room reading *C. & D.*; loud ring of bell; pharmacist called to see two customers.

1st Customer: Can you oblige me with some turpentine? I want it to sprinkle on flannel for lumbago.

Chemist: Certainly, as it is for illness. How much would you like?

2nd Customer: I want some turpentine, too, if you please, to thin some paint, as I must finish a job to-night.

Chemist: I am sorry, but it is against the law to supply anything after nine o'clock except medicines.

(Query: How did the pharmacist settle the business without giving the second customer the impression that the law is still a "bass"?)

Dispensing Notes.

Cocaine and Mercuric Lotion.

Sir,—I would be greatly obliged if you would explain the precipitate in the following prescription:

Cocainæ hydrochlor.	...	gr. v.
Hydrarg. perchlor.	...	gr. x.
Amm. chlor.	...	gr. v.
Aq. dest. ad	...	℥v.

I got a flocculent precipitate each way of making the solution, and at last, at the wish of prescriber, left out the cocaine.

Yours truly,
T. J. Smith.

[Mercuric chloride precipitates cocaine chloro-hydrargyrate. See "The Art of Dispensing," p. 345.]

Adrenalin Solution.

W. P. K. (268/24) has compounded a solution composed of—

Eucain hydrochlor.	...	gr. viij.
Sodii chloridi	...	gr. iij.
Sol. adrenalin	...	♏xx.
Aquam destil. ad	...	℥j.

He finds the solution usually turns pinkish in colour when allowed to stand for a few hours, but on some occasions it remains quite colourless. He asks what is the cause of the pink colour, and will the solution stand sterilisation? [The colorisation is due to oxidation of the adrenalin, which takes place most readily in neutral and slightly alkaline solutions. The above formula provides a neutral solution, but it may extract from the glass sufficient alkali to make it quite alkaline. The colorisation may be avoided by the addition of a minim or two of dilute hydrochloric acid. The solution may be sterilised without change, the eucain not oxidising in such circumstances, although cocaine does.]

Alkaloidal Mixture.

Sir,—Can any of your readers suggest how the following prescription can best be dispensed? I have utterly failed to make a presentable mixture. The doctor states that he prescribes it frequently:

Tr. nucis vom.	...	ʒj.
Sodii brom.	...	ʒij.
Spt. ammon. arom.	...	ʒj.
Quin. sulph.	...	ʒj.
Glycerol	...	℥j.
Aq. chlorof. ad	...	℥vj.

M. Ft. mist.

Sig.: ℥ss. t.i.d. E. H. W. (230/33.)

[The aromatic spirit of ammonia is the cause of the trouble It precipitates the quinine as alkaloid, which will not diffuse without assistance. Quite a nice mixture can be made by adopting the following procedure. Put 12 grains of powdered tragacanth into a dry measure, pour on it the tincture of nux vomica and aromatic spirit of ammonia, add about 4 fl. oz. of chloroform-water, and stir; in the mucilage thus formed dissolve the sodium bromide, add the glycerin, and make up with chloroform-water. Then put the quinine sulphate into a dry mortar and add to it the mixture very gradually and with steady trituration. In this way the precipitate is forcibly prevented from "clotting" as it is formed, and although some of it rises to the top of the mixture on standing, it diffuses by shaking.]

Legal Queries.

Before submitting questions for reply in this section please refer to the "C. & D. Diary, 1909" for the following subjects: Income-tax, p. 220; Pharmacy Law and Poisons, p. 216, (abroad) p. 211; Spirit Laws, p. 229; Stamped Medicines, p. 221; Trade-marks, p. 194; Wines, Sale of, p. 231; and Legal matters generally, p. 233.

Salol (233/61). If a limited company uses the title "chemist," a registered chemist (Minor or Major) must be a director of the company.

Nero (233/40).—Preparations of heroin hydrochloride are in the second part of the Schedule of poisons irrespective of the amount they contain.

Aqua (228/24).—An unqualified person who opens and manages a shop under the title "So-and-So Co., wholesale and retail chemists," is liable to a penalty of 5*l.* under Section 15 of the 1868 Act.

C. F. (227/1).—"Nerve Pills" is in itself regarded by the Board of Customs and Excise as a non-dutiable title for a medicine, but it has been ruled that the use of any word implying the action of a remedy upon an organ or part of the body brings it within the charge of duty. The use of the word "Magic" in this connection, by implication, suggests such action.

Sulphur (227/51) asks: Is it legal or in the spirit of the 1908 Act that a chemist, M.P.S., can carry on one or more branch shops, even although he only calls them "drug-stores," selling no poisons and having them managed by unqualified men? [It is being done without action being taken (as far as we are aware) by the Pharmaceutical Council. A person who is not a registered chemist may do this sort of thing, and it has yet to be proved that Section 3 of the 1908 Act deprives registered chemists of the same right.]

Phenol (220/14).—So far as the Pharmacy Acts are concerned, any two pharmaceutical chemists in Ireland, who are not in partnership, may use labels bearing the names of both, provided that when medicines are dispensed the name of the pharmaceutical chemist dispensing the medicine, and his address, are also affixed to the medicine. Such a system of trading is, however, risky to each individual, in so far as it leads to the impression that the individuals are in partnership, so that, under circumstances which may arise, one may become liable for the debts of the other.

Tenax (215/35).—The Pharmaceutical Council have sole power to lay down the conditions upon which restoration of names to the register of chemists and druggists is obtained, and they have accordingly for many years charged one guinea for this. It is an obligation upon registered persons to acquaint the Registrar with any change of address that they make, and this should be done when it occurs. The Registrar has full authority under the 1868 Act to remove from the register the name of any person to whom two notifications have been sent by registered post and returned to him.

Subscriber (227/28) asks: (1) A limited company sell their business to a private person, and by contract signed by both parties indemnify the purchaser from all debts or claims: who is responsible for the debts owing by the company previous to the sale? [The limited company are solely liable to the creditors for the debts incurred by the company, unless the purchaser agrees with the creditors to be responsible for the debts.] (2) If the principal shareholder, who is the vendor, gets the purchase money, disappears and cannot be found, what can those creditors do? [We should think that the principal shareholder has no right to sell the business of the company, which can only be done (if at all) by resolutions of the company duly passed, confirmed, and registered. The principal shareholder would be unable to transfer the assets of the company to any purchaser, and such assets would be liable to be dealt with by the creditors notwithstanding any supposed sale by the principal shareholder.] (3) When a company's business is sold, is there any rule to be observed, such as giving notice to the Registrar? [It is possible that the company has no power to sell its business at all. In any case if "Subscriber" is thinking of purchasing the business, he should place the matter in the hands of a solicitor to see that the sale is properly carried out, or "Subscriber" may find that he is parting with his money in exchange for nothing.]

Miscellaneous Inquiries.

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

Devon (205/62).—Black-water in Sheep.—The chief ingredient of this seems to be eucalyptus oil, the basis being, as you suggest, of the nature of gruel. We cannot detect any sulphur. The dose of eucalyptus oil for a sheep should not exceed one teaspoonful.

E. J. (205/61).—Nasal Powder.—The sample you send has the following approximate composition:

Sodium bicarbonate,
Sodium chlorate,
Borax ... ... of each equal parts

The powder is tinted with a trace of methyl blue. For use a teaspoonful is dissolved in a tumbler of hot water and sprayed through the nose.

Ointment (196/5). Skin-disease Ointment.—This would be represented by a mixture of lead plaster, vaseline, and green ointment, but the sample is very crudely prepared.

A. M. (208/51).—Lecithin in Diabetes.—Dr. Fredk. W. Alexander writes in the "B.M.J.," October 9: "For the benefit of diabetics I should like to draw attention to the administration of lecithin in the treatment of their malady. I have recommended lecithin with marked results in these cases; after a short time sufferers put on flesh, and experience a feeling of well-being. The fluid form of this phosphorised fat I consider the best for treatment, and to obtain the most successful results it should be taken in a little water half an hour before meals on an empty stomach, so that absorption by the system may take place the more readily. No very hot fluids should be drunk for some time afterwards, that the composition of lecithin may remain unaltered." We do not know which preparation of lecithin Dr. Alexander refers to. Most of the preparations on the market are in the nature of emulsions, the lecithin being suspended in glycerin or dissolved in oil and emulsified with gum. You might experiment in the following manner and let us know the result: Rub up 1 dr. of lecithin with a drachm of chloroform, and add gradually 1 oz. of rectified spirit, stirring all the time, so that the lecithin is retained in a state of fine division; add a few drops of vanilla essence or aromatic elixir to flavour, and make up to 6 oz. with glycerin. The dose of this is one to two teaspoonfuls, taken in water.

Substitute (208/18).—Improvers receive at the rate of about 30*l.* a year indoors, or 60*l.* to 70*l.* outdoors. Their duties depend upon the nature of the business they are in, and include a share in all that goes on except selling poisons.

A. F. (204/64) asks: "In the event of pricing goods for sale a profit of 33⅓ is required: what is understood by this?" Generally profit on the cost. If the returns of the business must show 33⅓ per cent. profit, the profit placed on the goods must be 50 per cent. That is the point which must be determined before pricing. Thus if a chemist finds that his working-expenses amount to 20 per cent. of his returns—say, 1,000*l.*—he would get no net profit by placing 25 per cent. profit (200*l.*) on the cost of his goods (800*l.*).

G. R. W. (18/20).—Tattoo-marks.—See pp. 527 and 960 of "Pharmaceutical Formulas."

A. J. C. (200/43).—Leather-staining.—We cannot say offhand which of the usual leather-dyes are soluble in benzine, but the difficulty of want of penetrative power might be overcome by first removing the grease from the leather with benzine and then applying alcoholic solutions of aniline dyes (Bismarck brown, nigrosine B., phosphine). Where a glossy effect is required the following method is recommended:

A.	Orange shellac	2 oz.
	Methylated spirit	10 oz.
B.	White castile soap	2½ oz.
	Glycerin	4 oz.
	Methylated spirit	40 oz.
C.	Aniline dye	1 oz.
	Methylated spirit	25 oz.

B is mixed while hot with A, and C added, the whole well shaken, and left for a few weeks. The gloss is applied with a sponge.

J. S. S. (267/16).—Chemical Lectures.—The outlines of lectures on chemical subjects were given in the *C. & D.*, February 15, 1908, p. 279 (on "Matter"); February 22, p. 313 (on "Water"); February 29, p. 349 ("Some Interesting Drugs"); March 7, p. 385 ("The Breakfast-table"). There is no book we know of that quite fills your requirements so well as the papers referred to above.

Jastan (224/31).—Mildew Preventive in Cotton Goods.—See *C. & D.*, January 25, 1903, p. 172, and March 6, 1909, p. 376.

C. A. S. (26/10).—Cyclostyle-inks.—The old type of ink was a printing-ink, but you seem to be referring to the new style inks as represented by the following formulæ:

Black.		*Violet.*	
Glycerin ...	12 oz.	Glycerin ...	1 lb.
Honey ...	4 oz.	Honey ...	2½ oz.
Treacle ...	1 oz.	Methylated spirit ...	4 oz.
Methylated spirit ...	2½ oz.	Sugar candy ...	6 oz.
Sugar candy ...	4 oz.	Violet aniline ...	2½ dr.
Ink-black aniline ...	5 dr.	Distilled water ...	2 pints
Spirit-black	1 dr.		
Distilled water ...	1½ pint		

The spirit-black is dissolved in the spirit before adding to the other ingredients which have been previously amalgamated on a water-bath.

W. A. W. (206/3).—Para-amido-phenol Developer.—The following is given in "Pharmaceutical Formulas":

Para-amido-phenol	60 grains
Sodium sulphite	60 grains
Sodium carbonate	400 grains
Water to	20 oz.

Dissolve.

A concentrated liquid similar to rodinal is made as follows:

Para-amido-phenol	150 grains
Potassium metasulphite	1 oz.
Hot water	3½ oz.

Dissolve and add potassium-hydrate solution until the precipitate begins to be permanent. For use this is diluted with from 10 to 30 parts of water.

R. C. (214/12).—Boil-powder.—This appears to be a mixture of powdered cinchona and ginger—probably employed as a tonic. You did not say how it was used.

W. H. C. (210/13).—Slug-powder.—This consists of alum with a small proportion of yellow ochre for colouring-purposes. It is sprinkled over the plants, and the slugs are afterwards found dried up. "W. H. C." writes that his customer has never found the powder injure the most delicate plants.

Lacquer (212/30).—Straw-hat Stains.—See *C. & D.*, April 11, 1908, p. 579.

Ferri (205/5).—Restoring Silver Braid.—Brush with moistened cream of tartar or salts of lemon. In cases where the braid is much tarnished, potassium-cyanide solution (1 in 8), followed by rouge, is employed. A tooth-brush is convenient for applying these cleansing-agents.

J. B. S. (218/49).—Theatrical Blanc de Perle.—The moist white paste used in theatrical make-ups is prepared by grinding together equal parts of zinc hydroxide and bismuth oxychloride with equal parts of glycerin and water to form a paste and sufficient perfume. The zinc and bismuth salts are best freshly precipitated, there being then no difficulty in obtaining a smooth product. A cheaper white is made with zinc oxide and precipitated chalk. Further information on this subject can be obtained from "Pharmaceutical Formulas."

C. B. (217/37).—(1) Books on Analysis of Malt.—We know of no book devoted to this subject. It is dealt with in the article on "Brewing" in Thorpe's "Dictionary of Applied Chemistry," Vol. I. The late Mr. J. Heron contributed an exhaustive paper on the polariscopic examination of malt, etc., to a meeting of the Society of Chemical Industry in 1888, which is published in that Society's "Journal." (2) Books on Analysis of Oils and Fats.—Wright's "Analysis of Oils and Allied Substances" (Lockwood, 9*s.*) would suit you.

Fungus (217/63).—Woodlice Pest in a mushroom-growing shed.—If the woodlice are harboured by the wooden sides of the building, the wood should be sprayed with carbolic-acid solution (1-20), but this must not be allowed to fall on the soil, as carbolic acid is fatal to vegetable life. If the soil is infested, the use of vaporite is recommended. While these remedies are being used, trapping methods should be persevered in, the bait being poisoned with Paris green.

Hypo (212/26).—Sealing-wax Sticks are made by pouring the melted material into proper moulds. The superfluous wax is trimmed from the edges before the moulds are opened. The sticks are subsequently placed on iron plates and subjected to a gentle heat until the surface of the wax begins to melt, which causes the surface to be smooth and polished. At this stage the brand name is stamped on the sticks.

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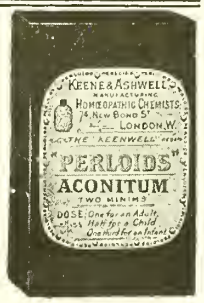

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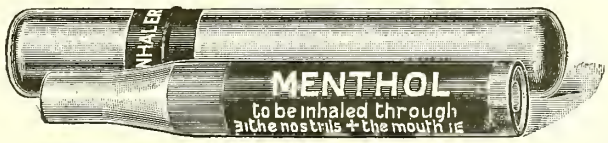

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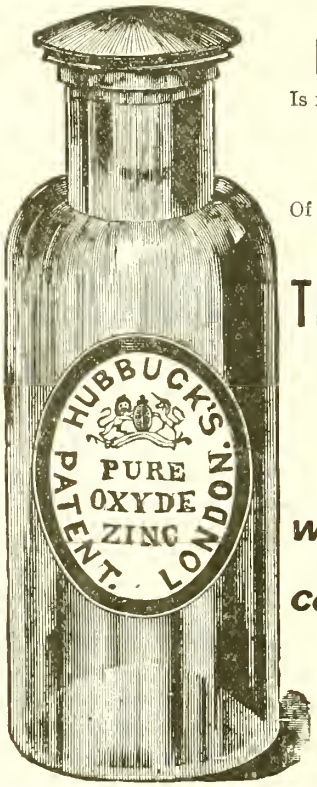

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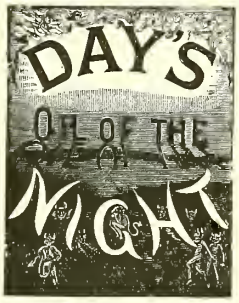

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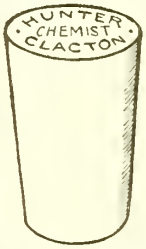


Would you like your name branded on your Corks?

It costs next to nothing.

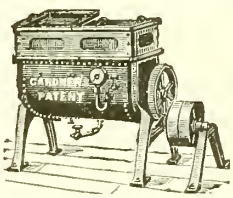
Full particulars, sample and price list of all Chemists' Corks free on application.

N. W. MITCHELL & SONS, LTD.
CORK MANUFACTURERS,
"BOUCHON" WORKS, 15-17 Farrance Street, Limehouse, LONDON, E.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS

OVER 3,100 working in Almost Every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.



FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.

DISPENSING BOTTLES & PHIALS

I. ISAACS & CO.'S REDUCED PRICES
106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
The New Shape, Oval Fronted Bottles 6 ounce size, 8/6 per gross
A Sample Free on Application.

FIRST QUALITY.

3 & 4	6 & 8	12	16 ounce.	
9/-	10/-	15/-	20/- per gross	Round edges, plain or graduated, quinine tinted.

SECOND QUALITY.

3 & 4	6 & 8	12	16 ounce.	
7/6	8/6	12/-	18/- per gross	Round edges, plain or graduated, clear blue tinted.

PANEL BOTTLES (reduced prices).

2	3	4	6	8 ounce
7/6	8/-	8/-	9/-	10/- per gross.

WHITE PHIALS—GOOD QUALITY.

½	1	1½	2 ounce	
3/6	4/-	4/6	5/6 per gross	Plain or teaspoons.

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 120 years. Bankers: London County and Westminster Bank

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Acid Carbol Xtls., 39/40; 56 lbs. @ 5d. lb.; 10-lb. Tins @ 5/6 each; Detached Cryst. 8/- each; 36 1-lb. Bots. @ 8½d. lb., Single Bots. 11d. lb.; Detached Cryst. 1 lb. @ 1/1 lb.; Crude Black, 45 Gall. Casks @ 10d. gall.; 1 Gall. Tins @ 1/5 each.

Acid Diethylbarbituric, 16 oz. @ 38/6 lb.: 1 oz. @ 2/8 oz.
„ **Oxalic Cryst.**, 5 cwt. @ 3⅜ l. lb.; 1 cwt. @ 3⅝d. lb.; 14 lbs. @ 3¾d. lb.
„ Salicyl. pulv., 1 cwt. @ 1/1 lb.; 28 lbs. @ 1/2 lb.; 7 lbs. @ 1/3 lb.; phys. pure, 1 lb. @ 3/- lb.
„ Tart., cryst. or pulv., B.P. 1885. 1 cwt. @ 9⅜d. lb.; 7 lbs. @ 10⅜d. lb. parv. ¼d. lb. extra.
Ammon. Benz., 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
Ammon. Brom., P.B., 1 cwt. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.
Ammon. Carb. lump, 3 cwt. @ 3⅜d. lb.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 5d. lb.; powder, ½d. lb. extra.
Ammon. Chlor., 99% pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 4d. lb.; Batteries, 4/- cwt. extra.
Amyli Pulv., 10 cwt. @ 13/3 cwt.; 2½ cwt. @ 13/9 cwt.; 1 cwt. @ 15/3 cwt.
Aniseed, English ground, 1 cwt. @ 35/- cwt.; 7 lbs. @ 5d. lb.
Antim. Crocus Pulv., 1 cwt. @ 35/- cwt.; 14 lbs. @ 4½d. lb.
Antim. Nig. pulv., 1 cwt. @ 25/6 cwt.; 14 lb. @ 33/- cwt.

Hydrokinone, 7 lbs. @ 3/- lb.; 1 lb. @ 3/4 lb.
Ichthyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* „ Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* „ Buchu Conc. 1 to 7, 6 lbs. @ 1/1 lb.
* „ Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* „ Caryopb. Conc., 1 to 7, 6 lbs. @ 11d. lb.
* „ Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
* „ Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
* „ Gentianæ Co., 1 to 7. 6 lbs. @ 11d. lb.
* „ Quassiæ Conc., 1 to 7, 6 lbs. @ 9d. lb.
* „ Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.
* „ Rosæ Acid. Conc. 1 to 7, 6 lbs. @ 1/8 lb.
* „ Senegæ Conc., 1 to 7, 6 lbs. @ 2/- lb.
* „ Valeriao Conc., 1 to 7., 6 lbs. @ 1/3 lb.
Honey, fine White Set, 28 lbs. @ 47/- cwt.
Lin. Camph. P.B., 40 lbs. @ 10½d. lb.; 9 lbs. @ 11½d. lb.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.

Linseed c. Oil, Crushed, 3 cwt. @ 16/- cwt.; 1 cwt. @ 16/6 cwt.

*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10½d. lb.
*Liq. Ammon. Aromat., 6 lbs. @ 9d. lb.
* „ Bismuth. P.B., 6 lbs. @ 10½d. lb.
* „ Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
* „ Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.
* „ Ferri Iod. p.s. 1-7, 1 lb. @ 5/9 lb.
Ol. Olivæ, P.B., Flav., 45 gall. Barrel @ 4/3 gall.; 2 galls. @ 5/3 gall.
Paraldehyde, B.P., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.

Rad. Glycyrrh., English ground, 1 cwt. @ 20/- cwt.; 7 lbs. @ 3d. lb.
Rad. Rhei, E. I., English ground, 1 cwt. @ 1/- lb.; 28 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.
Rad. Rhei E. I., Trimmed, 7 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
Resorcin, B.P., 7 lbs. @ 2/11 lb.; 1 lb. @ 3/4 lb.
Saffron, Valentia, B.P., 1 lb. @ 34/- lb.; 1 oz. @ 2/6 oz.
Sal. Acetos. 1 cwt. @ 5½d. lb.; 56 lbs. @ 6¼d. lb.; 7 lbs. @ 7d. lb.
Salicinum, B.P., 1 lb. @ 16/6 lb.
Salol, B.P., 7 lbs. @ 2/3; 1 lb. @ 2/6 lb.
Sang. Dracouis pulv., English Ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/-½d. lb.
Santoninum, P.B., 7 lbs. @ lb.: 1 lb. @ lb.
Sapo, Cast. Alb. 10 cwt. @ 23/- cwt.; 2 cwt. @ 24/- cwt.; 7 lbs. @ 3½d.: pulv., 1 cwt. @ 58/6 cwt.; 56 lbs. @ 62/- cwt.; 7 lbs. @ 7½d. lb. Animal pulv., 1 cwt. @ 50/6 cwt.; 56 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.
*Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.; Bond 8½d.
*Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.; Bond, 6½d.
*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/5 lb.; Bond, 8½d.
*Tinct. Camph. Comp., P.B., 5 lbs. @ 2/5 lb.; Bond, 6¾d.
*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3 3 lb.; bond, 6d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/6 lb.; bond, 6½d. lb.
*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 6¾d. lb.

CAMPHOR CARBOLIC QUININE

*Aqua Anethi Conc. 1-40, 1 lb. @ 2/11 lb.
* „ Anisi Conc. 1-40; 1 lb. @ 3/1 lb.
* „ Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb.
* „ Aurant. Trip., 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.
* „ Aurant. Conc., 1-40, 1 lb. @ 6/1 lb.
* „ Rosæ Trip., 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.
* „ Rosae Conc. 1-40, 1 lb. @ 6/- lb.
* „ Samb. Trip., 53 lbs. @ 23/6; 6 lbs. @ 8d. lb.
* „ Samb. Conc., 1-40, 1 lb. @ 6/1 lb.
* „ Laurocerasi, 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.
* „ Menth. Pip. Conc. 1-40, 1 lb. @ 3/- lb.
Bals. Copaibæ pure, 44 lbs. @ 2/- lb.; 9 lbs. @ 2 3 lb.; 1 lb. @ 2/6 lb.
Bismuth, P.B. Carb., 14 lbs. @ 7/9 lb.; 3 lbs. @ 8/1 lb.; subnit., 1/- lb. less.

Camphor, English Flowers, "not artificial," 5 lbs. @ 1/10 lb.; ½ oz. 7 lbs. @ 1/11 lb.; ⅛ oz. 7 lbs. @ 2/3½ lb. Crude, 140 lbs. @ 1/4 lb.; 28 lbs. at 1/5 lb.

Ess. Lemon, 12 lb. Copper @ 3/6 lb.; 6 1-lb. bots. @ 4/0 lb.; not guaranteed absolutely pure.
Ext. Cascara Sag. Liq., B.P., 10 lbs. @ 1/2 lb. [3/2 lb.
*Ext. Ergot. Liq. P.B., 5 lbs. @ 2/11 lb.; 1 lb. @
Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 5/6 lb.; 1 lb. @ 5/11 lb.
*Ext. Ipecac. Liq. P.B., 5 lbs. @ 10/6 lb.; 1 lb. @ 11/3 lb.
„ Malti c. Ol. Jecoris, 10 lbs. @ 5½d. lb.
***Ext. Nucis Vom. Liq. B.P.**, 5 lbs @ 3/- lb.; 1 lb. @ 3/3 lb.
Ferri et Quininæ Cit., P.B.; 500 ozs. @ 3d. oz.; 100 ozs. @ 3½d. oz.; 25 ozs. @ 3½d. oz.
Formaldehyde, 40%, 132-lb. Carboys @ 52/- each; 7 lbs. @ 7½d. lb.

Phenacetin, P.B., pulv. 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. at 3/- lb.
Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb.
Phenolphthalein, 7 lbs. @ 8/6; 1 lb. @ 9/- lb.
Pix. Burgund. Druggists' 1½ cwt. @ 20/- cwt.; 7 lbs. @ 3½d. lb.
Plumbi Acetas, Druggists', 1 cwt. @ 32/6 cwt.; 7 lbs. @ 4½d. lb.; Powder, 1d. lb. extra.
Potas. Acetas. Gran. P.B., 28 lb. @ 1/- lb.; 7 lbs. @ 1/1 lb. [4d. lb.
„ Bicarb. pulv., 1 cwt. @ 32/6 cwt.; 7 lbs. @
Potas. Brom. P.B., 1 cwt. @ 11d. lb.; 28 lbs. @ 11½d. lb.; 7 lbs. @ 1/- lb. [5d. lb.
„ Chlor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @
Potass. Cit., B.P., 7 lbs. @ 1/8 lb. [@ 1/2 lb.
„ Cyanidum 98 %, 1 cwt. @ 11½d. lb.; 7 lbs.
Potass. Iod. P.B., 1 cwt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb.
„ Permang., Cryst., 1 cwt. @ 38/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 31/- cwt.
„ Ipecac. Comp. P.B., 1 lb. @ 3/- lb.
„ Rhei Comp. P.B., 1 lb. @ 1/2 lb.
Quinine Bisulph, 100 oz. @ 8d. oz.; 25 oz. @ 9d. oz.; 10 oz. @ 10d. oz.
Quinine Ethyl Carb. (Tasteless), 100 oz. @ 2/5 oz.; 10 oz. @ 2/9 oz.
Quininæ Hydrobromas or Salicylate, B.P., 100 oz. @ 11½d. oz.; 25 oz. @ 1/0½ oz.; 10 oz. @ 1/2 oz.
Quininæ Hydrochlor., B.P., 100 oz. @ 11d. oz.; 25 oz. @ 1/- oz.; 10 oz. @ 1/2 oz.

Quininæ Sulph., B.P., 400 oz. @ 6½d. oz.; 100 oz. @ 6¾d. oz.; 25 oz. @ 7½ l. oz.; 10 oz. @ 8d. oz.

*Tinct. Chlorof. c. Morph. Comp., B.P., 1885, 5 lbs. @ 1/11 lb.; bond, 1/5½ lb.
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/4 lb.; bond, 10½d. lb.
*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb.
*Tinct. Gelsem. B.P., 5 lbs. @ 2/10 lb.; Bond, 6½d.
*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 6½d. lb.
*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.; bond, 6½d. lb.
*Tinct. Iodi. B.P., 5 lbs. @ 3/11 lb.; bond, 1/1½ lb.; decolor, 5 lbs. @ 4/3 lb.; bond, 1/0½.
*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7¾d. lb.
*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9¾d. lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb.
*Tinct. Opii, B.P., 5 lbs. @ 3/5 lb.; bond, lb.
*Tinct. Opii Amon., B.P., 5 lbs. @ 3/4 lb.
*Tinct. Opii Aquos., 5 lbs. @ 2/1 lb.
*Tinct. Quiniæ Amm., B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb.
*Tinct. Rhei Co., B.P., 5 lbs. @ 2/2 lb.; bond, 8d. lb.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; Bond, 7½d.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3½ lb.
*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.
*Tinct. Valerianæ, 5 lbs. @ 2/8 lb.; bond, 6d. lb.
*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb.
Ung. Hydrargyri B.P., 28 lbs. @ 2/- lb.; 7 lbs. @ 2/1½ lb.
„ Resinæ, P.B., 28 lbs. @ 10d. lb.; 7 lbs. @ 11d. lb.

***Minimum quantity at these prices, Home Trade, 3 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.**

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.
Goods carriage forward; all packages free; Export cases extra.

ALLIANCE DRUG & CHEMICAL CO., LONDON.

Office: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

MÖLLER'S (Hydroxyl-free) COD LIVER OIL.

THE ONLY COD LIVER OIL THAT DOES NOT REPEAT. *22 FIRST PRIZES.*

Telephone: 9338 Central. Sold in capsuled bottles only (8 and 16 oz). Telegrams: "Peteroller London."

PETER MÖLLER, Ltd., 18 High Holborn, LONDON, W.C.

ESTABLISHED 1772.

HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care in the greatest chemical purity by

MESSRS. THOMAS & WILLIAM HENRY, 11 EAST STREET, ST. PETER'S, MANCHESTER.

And is sold in bottles, authenticated by a Government Stamp bearing their name. Trade Mark, Henry's Calcined Magnesia.

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COD LIVER OIL

Holm's O.H. Gold Medal Brand

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CASTOR OIL

MEDICINAL.

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THE "GIANT" REMEDY.

Tel. Add.: "Giant, Plymouth."

BOX'S PILLS

WRITE FOR TRADE TERMS.

Re-christened by the Americans "The Great English Remedy."

1s. 1½d., 2s. 9d., 4s. 6d., 11s., and £1 1s.

Prepared only by

W. H. BOX, 161 KING ST., PLYMOUTH.

INDIA.

PEAKE, ALLEN & CO.

CHEMISTS, DRUGGISTS,

AND

GENERAL MERCHANTS,

LUCKNOW, OUDH, INDIA,

Possess exceptional facilities for the introduction of NEW SPECIALITIES, Patent Medicines, Druggists' Sundries, Perfumery, &c.

We have found many dealers with a reputation for reliable goods stock only one line of water bottles——the DUNLOP.

That may be because—like all DUNLOP specialities—the DUNLOP water bottles are found to be thoroughly made and carefully tested before they leave our hands.
These water bottles are fitted with Standard Stopper or with Steam Ventilating Stopper to prevent the water flying up when the bottle is being filled.

DUNLOP WATER BOTTLES

DUNLOP RUBBER CO., Ltd., Manor Mills, Aston, BIRMINGHAM.

Telegrams: "ELASTIC BIRMINGHAM." Telephone: ASTON, 123 East.

Home Depots: LONDON—150 Clerkenwell Rd., E.C.—*Sole Representatives*: H. & W. GREER, Ltd.
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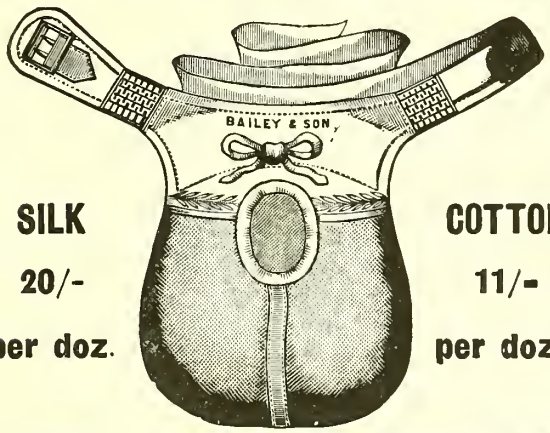
BAILEY'S "A.B.C." SUSPENSORIES.



SILK 20/- per doz.

COTTON 11/- per doz.

Assorted—A, small; B, medium; C, large bags.

W. H. BAILEY & SON,
38 OXFORD STREET, LONDON. W. [3]

THE NEW
'ADAPTABLE' HOT WATER BOTTLE

(REGISTERED DESIGN.)

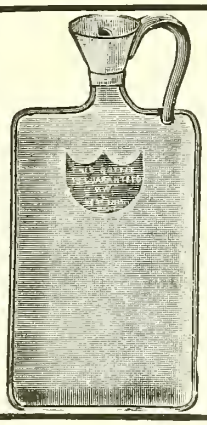
Suitable for many purposes for which the old-fashioned shape is useless

For BED WARMERS.
For CARRIAGES.
For MOTOR CARS.
For INVALIDS, &c.

Customers can have their names, &c. printed on reverse side.

LOW PRICES. BIG DISCOUNT.
Sole Manufacturers:—

The Fulham Pottery & Cheavin Filter Co., Ltd., FULHAM, LONDON, S.W.



VINCENT WOOD

For BRITISH MADE

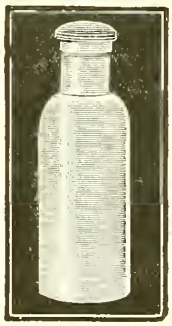
Hot-Water Bottles.

One Quality only—
GUARANTEED RELIABLE.
10×8 3/6, 12×8 4/- each.
Other Sizes in Proportion.
Also NEW COVERS.
CHEST AND LUNG PROTECTORS, WINTER BODY BELTS, TRUSSES, ELASTIC HOSIERY, and Surgical Appliances generally.

4 Albion Place, Blackfriars Bridge,
Send for List. LONDON, S.E.

Goods Stocked Here in London.

Are you buying **LIMES, KALIS, MEXICANS, PANELS,**



or

EMULSIONS, ESSENCES, CANNONS

?

We would STOCK YOUR BOTTLES

if you tell us what you use.
It will not cost you anything!
Seems reasonable, does it not?

Drop us a postcard, or better still call and have 5 minutes' chat.

Jules Lang & Son,

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May be obtained through any Wholesale House.

GLASS BOTTLES

OF EVERY DESCRIPTION.

SHOP ROUNDS, DISPENSING FLATS. OVALS, ETC.
PHIALS; COUGH MIXTURE PANELS;
LARGE STOCKS.

POISONS; SCREW-CAPPED POMADES, OPAL POMADES; ESSENCES, LIMES, ETC., ETC.
PRICES ON APPLICATION.

E. YOULDON, Ltd.

ESTABD. 1840.

CARTER ST., MAPLIN ST., MILE END, E.

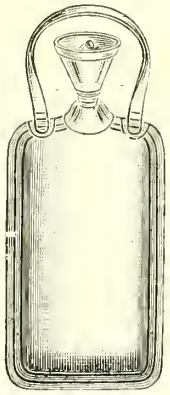
Telegraphic Address: "YOULDON LONDON."
Telephone: 132 EASTERN.

THE HUTCHINSON CO.

. . OFFER . .

TWO SPLENDID SELLING LINES.

PRICES RIGHT!



HOT WATER BOTTLES.

Our "Vanoric" Range withstand the hardest wear, and are thoroughly up to date.

QUALITY RIGHT!

"HEFTBAND" BANDAGES.

Antiseptic. Always ready for use. The easiest applied of all bandages.

Current Price List forwarded on demand. *Goods stocked by all the Leading Houses.*

THE HUTCHINSON COMPANY, 70 Basinghall St., LONDON, E.C.

HOT-WATER BOTTLES

GUARANTEED FOR 2 YEARS.

Both "heavy" and "light" bottles are made from **best quality** rubber.

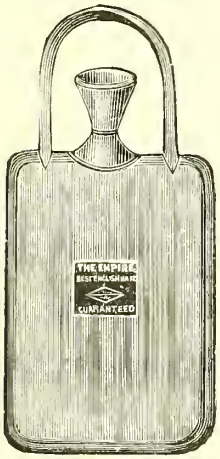


Fig. 955.
TOP HANDLE.

SIZES.	HEAVY. s. d.	LIGHT. s. d.	PLUSH COVERS. s. d.
6 × 8 inch ...	2 8 each ...	2 5 each ...	0 8 each
6 × 10 ,, ...	3 0 ,, ...	2 8 ,, ...	0 8 ,,
6 × 12 ,, ...	3 5 ,, ...	3 1 ,, ...	0 10 ,,
8 × 10 ,, ...	3 8 ,, ...	3 2 ,, ...	0 10 ,,
8 × 12 ,, ...	4 2 ,, ...	3 7 ,, ...	0 11 ,,
8 × 14 ,, ...	4 9 ,, ...	4 2 ,, ...	0 11 ,,
10 × 12 ,, ...	4 9 ,, ...	4 2 ,, ...	0 11 ,,
10 × 14 ,, ...	5 4 ,, ...	4 10 ,, ...	1 0 ,,
12 × 14 ,, ...	6 2 ,, ...	5 7 ,, ...	1 2 ,,

N.B. Owing to the recent enormous rise in the price of raw rubber we are compelled to add an advance of 10% on above prices. This advance will be taken off the moment the state of the market permits, but as the present indications point to still higher prices, we strongly advise all our friends to place their orders for winter stock at once.

Each one in neat paper bag with directions for using.

For orders of two dozen bottles assorted we will put rubber tablet with customer's name on free of charge.

Fig. 957.
SIDE HANDLE.

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

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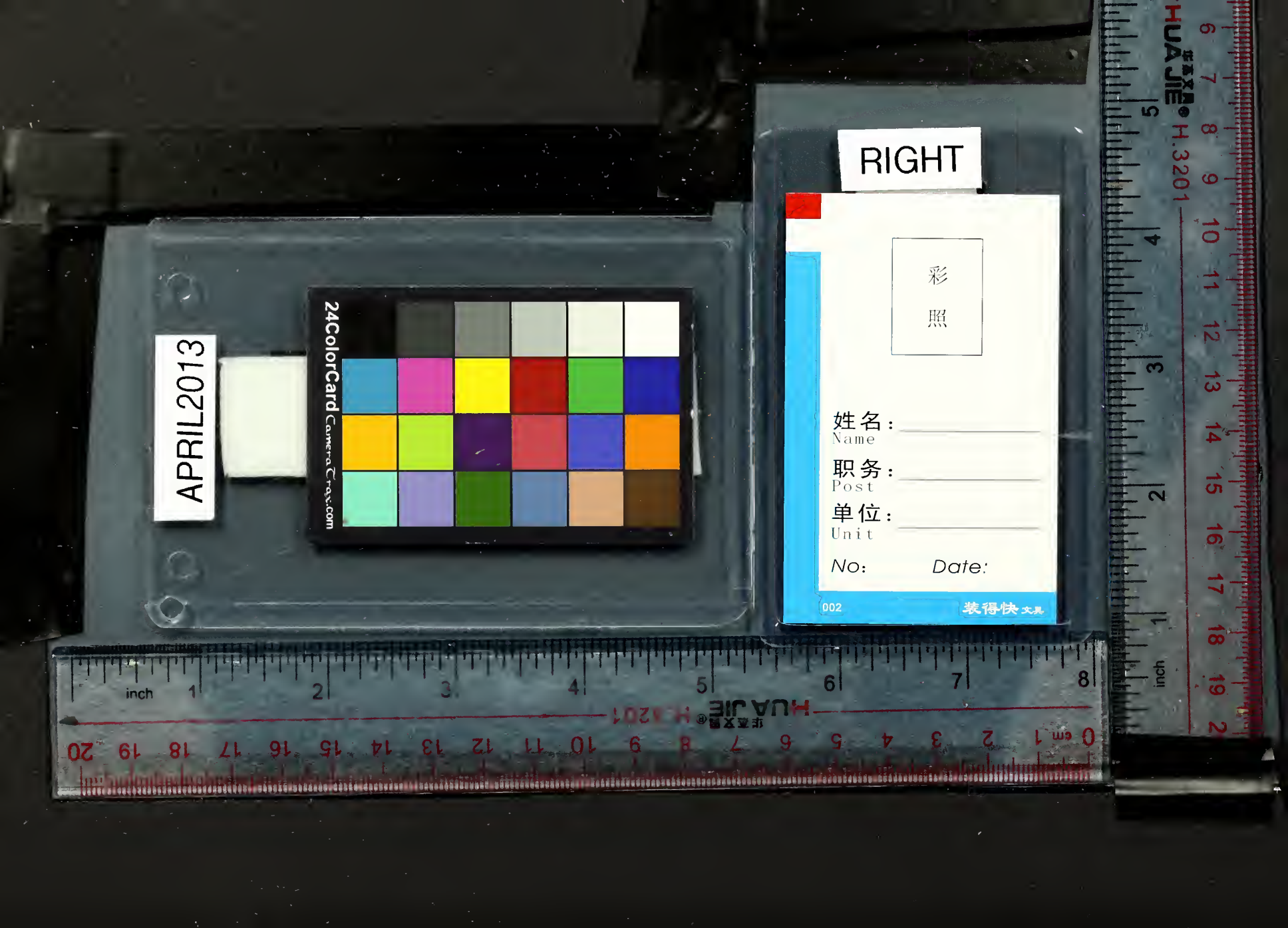
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